XO-D20S

SERVICE MANUAL

West Germany Model
Italian Model

Model Name Using Similar Mechanism	DECK A: XO-D10CD/D10S
	DECK B: XO-D10CD/D10S
Tape Transport Mechanism Type	DECK A: TCM-YM47W39
	DECK B: TCM-YM47W38

SPECIFICATIONS

System FM stereo, FM/AM superheterodyne tuner

FM tuner section
Tuning range 87.5 to 108 MHz
Antenna terminals 300 ohms balanced
75 ohms unbalanced

MW/LW tuner section

	MW	LW
Tuning range	531 to 1,602 kHz	153 to 281 kHz
Antenna	AM loop antenna, External antenna terminal	
Intermediate frequency	450 kHz	

Amplifier section
Continuous RMS power output
20 W + 20 W
(6 ohms, at 1 kHz, 10% THD)

Inputs

Jacks	Jack type	Sensitivity	Impedance
CD IN	Phono (except XO-D20CD)	200 mV	47 kohms
TO CDP-M29	4-pin (XO-D20CD)		

Frequency response CD: 15 Hz to 50 kHz $^{+0}_{-3}$ dB

Cassette deck section
Recording system 4-track 2-channel stereo
Frequency response DOLBY NR OFF
With TYPE II cassette (Sony UX-S)
60 Hz to 14 kHz (±3 dB)
With TYPE I cassette (Sony HF-S)
60 Hz to 13 kHz (±3 dB)

General
Power requirements 220 V AC, 50/60 Hz
Power consumption 60 W
Weight Approx. 7.5 kg (16 lb 9 oz) net
Dimensions Approx 355 × 372 × 350 mm (w/h/d)
(14 × 14 3/4 × 13 7/8 inches)
incl. projecting parts and controls

Turntable section
Platter 30 cm (12 in.)
Tonearm type Dynamically balanced
Cartridge type Moving magnet type
Stylus Sony ND-155G (0.6 mil diamond)

Accessories supplied
AM loop antenna (1)
FM antenna wire
Remote commander (1) (RM-L310)
Batteries SUM-3 (NS) (2)

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MICROFILM

COMPACT HI-FI STEREO SYSTEM

SONY®

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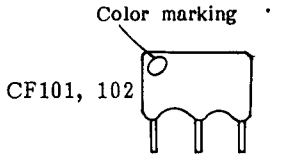
SAFETY-RELATED COMPONENT WARNING!!

COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

Note-1 on Ceramic Filter (CF101, 102) Replacement and Diode D364, 365 Connection.

This set employs two ceramic filters (CF101, 102) which should have the same color marking to identify their center frequency. Therefore FM IF offset adjustment by diodes (D364, 365) connection is necessary to match the center frequency of the ceramic filters used with FM intermediate frequency.



O: connect
X: not connect

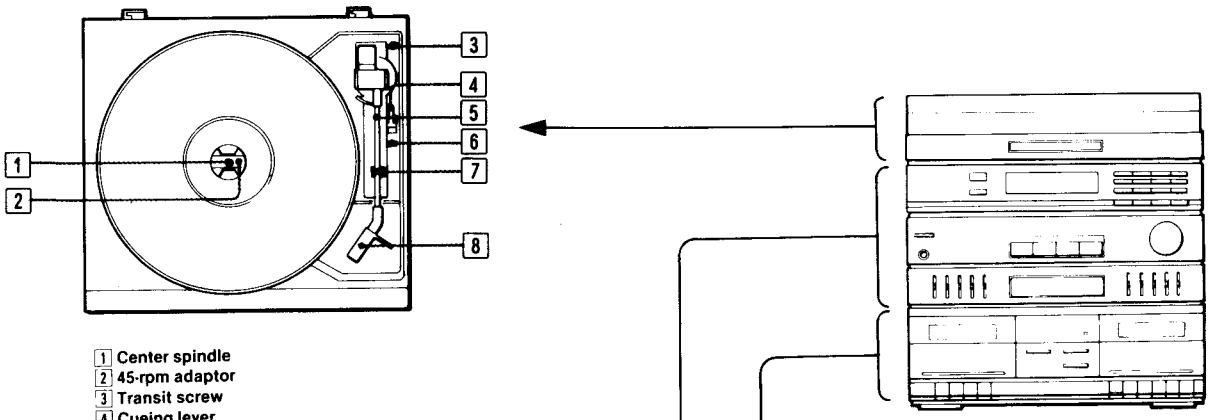
Ceramic filter		D364, 365 connection		FM intermediate frequency (MHz)
Color mark	Center frequency (MHz)	*A (D364)	*B (D365)	
White	10.750	O	X	10.750
Red	10.700	X	X	10.700
Black	10.650	X	O	10.650

FM intermediate frequency is determined by the three types as shown above. Ceramic filters of same center frequency, i.e., of same color coding should be used for CF101 and CF102.

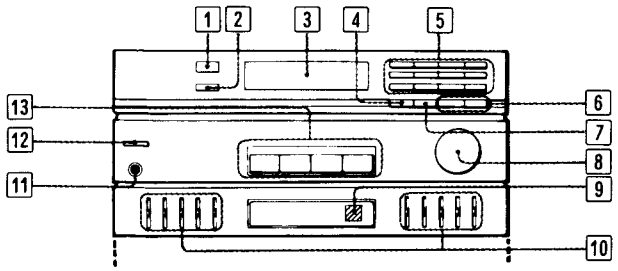
When replacing the ceramic filters, perform the FM Discriminator Adjustment.

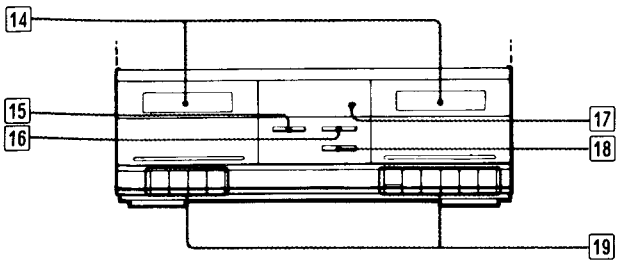
SECTION 1
GENERAL

LOCATION AND FUNCTION OF PARTS AND CONTROLS



1 Center spindle
2 45-rpm adaptor
3 Transit screw
4 Cueing lever
5 Tone arm
6 Speed selector
7 Arm rest
8 Cartridge





Tuner section
1 BAND SELECTORs
FM, MW, LW
2 MODE selector
3 Band/frequency display
4 MEMORY button
5 Preset buttons
6 Tuning buttons
7 MEMORY SCAN

Amplifier section
8 VOLUME control
9 Remote sensor R
10 Graphic equalizer controls (left and right)
11 HEADPHONES jack (stereo phone)
12 POWER switch
13 FUNCTION selectors

Cassette deck section
14 Cassette holders
15 DUBBING speed selector
16 DOLBY NR* (Noise Reduction) switch
17 RECORD indicator
18 TAPE SELECT switch
19 Tape operation buttons
● Record (deck B only)
▷ Forward
◀◀ Rewind
▶▶ Fast forward
■ ⏏ Stop/eject
❚❚ Pause (deck B only)

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation.
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SECTION 2
ADJUSTMENTS

2-1. MECHANICAL ADJUSTMENTS PRECAUTION

1. Clean the following parts with a denatured-alcohol-moistened swab:

record/playback heads	pinch rollers
erase heads	rubber belts
capstan	idlers

2. Demagnetize the record/playback head with a head demagnetizer.
3. Do not use a magnetized screwdriver for the adjustments.
4. After the adjustments, apply suitable locking compound to the parts adjusted.
5. The adjustments should be performed with the rated power supply voltage unless otherwise noted.

Torque Measurement

Torque	Torquement	Meter reading
FWD	CQ-102C	30 – 70 g·cm (0.42 – 0.97 oz·inch)
FWD Back tension	CQ-102C	1.5 – 5.5 g·cm (0.020 – 0.076 oz·inch)
FF. REW	CQ-201B	63 g·cm or more 0.87 oz·inch)

2-2. ELECTRICAL ADJUSTMENTS

0dB = 0.775V (AF)
0dB = 0.1μV (RF)

CASSETTE DECK SECTION

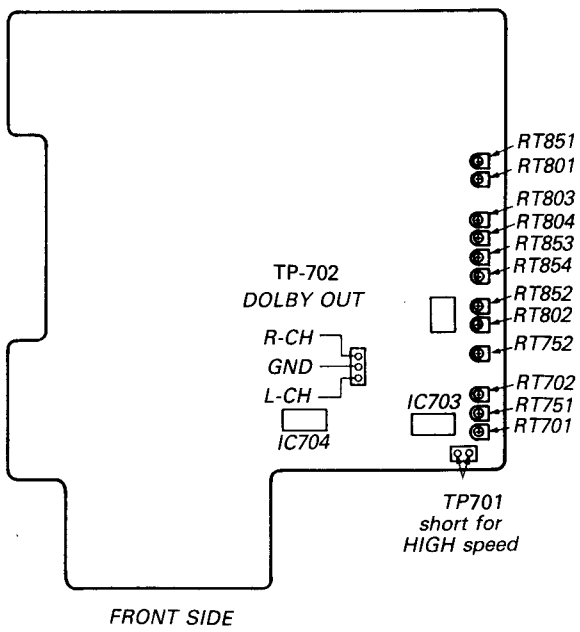
1. Demagnetize the record/playback head with a head demagnetizer. (Do not bring the head demagnetizer close to the erase head.)
2. Do not use a magnetized screwdriver for the adjustments.
3. After the adjustments, apply suitable locking compound to the parts adjusted.
4. The adjustments should be performed with the rated power supply voltage unless otherwise noted.
5. The adjustments should be performed in the order given in this service manual. (As a general rule, playback circuit adjustment should be completed before performing recording circuit adjustment.)
6. The adjustments should be performed for both L-CH and R-CH.

- Switches and controls should be set as follows unless otherwise specified.

DOLBY NR switch: OFF
TAPE SELECT switch: TYPE I

Adjustment Location:

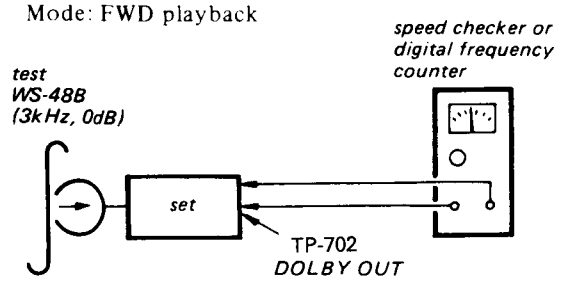
[MAIN BOARD](COMPONENT SIDE)



Tape Speed Adjustment

Procedure:

Mode: FWD playback



1. Short TP701 with a lead wire.

Specification: high speed

Digital frequency counter	
DECK-A	5,970—6,010 Hz
DECK-B	5,950—5,990 Hz

Frequency difference between the beginning and the end of the tape should be within 0.25% (15 Hz).

Adjustment location:

DECK-A side RT803
DECK-B side RT853

2. Remove the wire in step 1.

Specification: normal speed

Digital frequency counter	
DECK-A	2,980—3,000 Hz
DECK-B	2,960—2,980 Hz

Frequency difference between the beginning and the end of the tape should be within 0.25% (15 Hz).

Adjustment location:

DECK-A side RT804
DECK-B side RT854

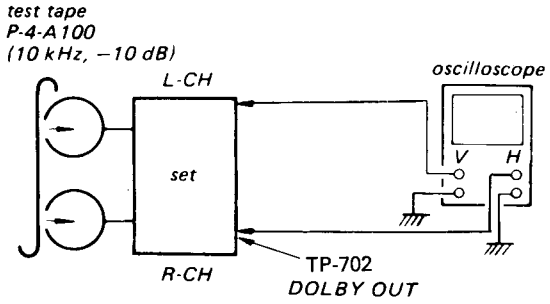
3. If the specifications are not satisfied, repeat steps 1 and 2.

Record/Playback Head Azimuth Adjustment

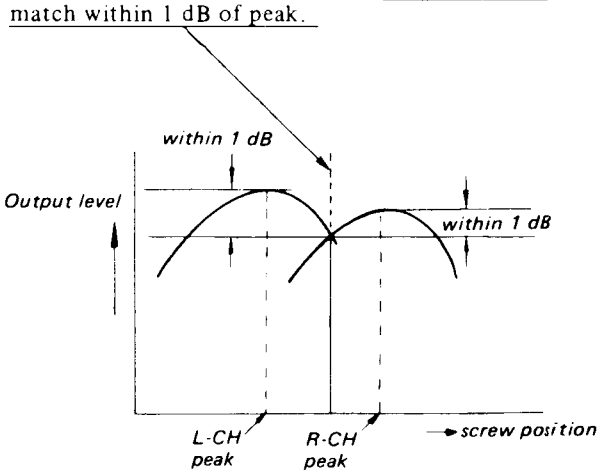
Note: Perform this adjustments for both decks.

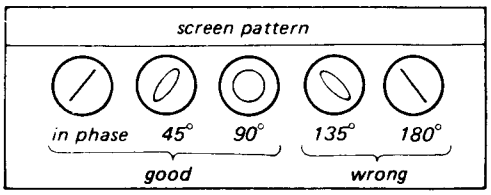
Procedure:

1. Mode: FWD playback



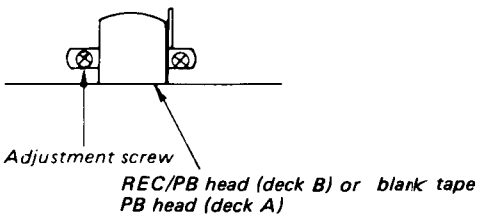
2. Turn the adjustment screw and check output peaks. If the peaks do not match for L-CH and R-CH, turn the adjustment screw so that outputs match within 1 dB of peak.





3. After the adjustments, apply suitable locking compound to the parts adjusted.

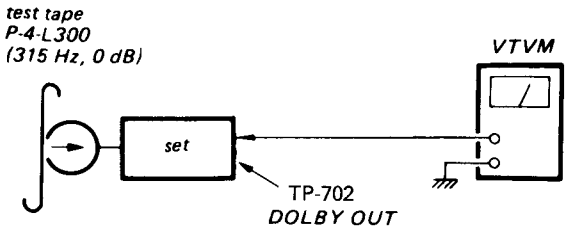
Adjustment Location:



Playback Level Adjustment

Procedure:

Mode: FWD playback



Adjust,

DECK-A side RT701 (L-CH), RT751 (R-CH)
DECK-B side RT702 (L-CH), RT752 (R-CH)
so that the specifications are satisfied.

Specification:

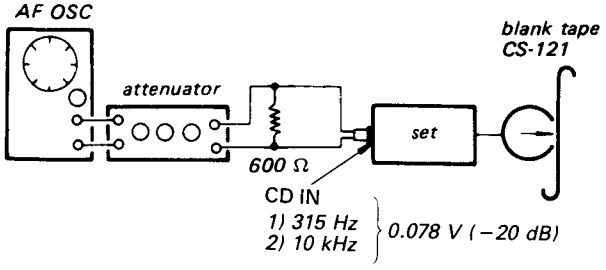
LINE OUT level: 0.58 to 0.65 V
(−2.5 to −1.5dB)
level difference between the channels:
within 0.5 dB

Adjustment Location: Main board (See page 4.)

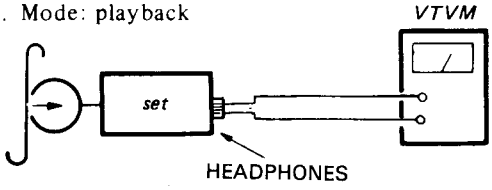
Record BIAS Current Adjustment

Procedure:

1. Mode: record



2. Mode: playback



(1) Supply a −20dB signal (315 Hz) from the CD terminal. Adjust the volume control so that a −30dB signal is output to the headphones terminal.
(2) Insert alignment tape CS-121 into deck B and put the set into the REC mode.
(3) Adjust the signal frequency to 10 kHz.
(4) Put the set into the PB mode and adjust RT802 (L CH) and RT852 (R CH) in the REC mode so that the level difference between 315 Hz and 10 kHz is within 0 ±0.5 dB.
(5) Repeatedly put the set into the REC and PB modes two to four times and adjust the bias.

Specification:

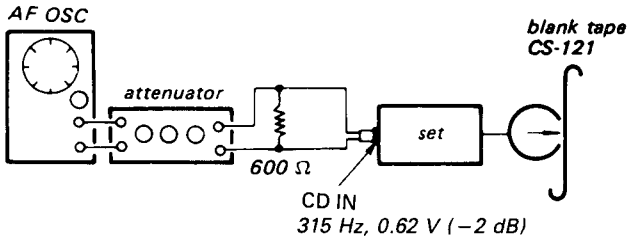
The HEADPHONES level of 10 kHz signal relative to that of 315 Hz: 0 dB ± 0.5 dB

Adjustment Location: Main board (See page 4.)

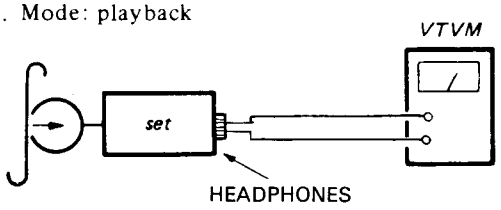
Record Level Adjustment

Procedure:

1. Mode: record



2. Mode: playback



(1) Supply a −2 dB signal (315 Hz) from the CD terminal. Adjust the volume control so that a −10 dB signal is output to the headphones terminal.
(2) Insert alignment tape CS-121 into deck B and put the set into the REC. Put the set into the PB mode and adjust volume control RT801 (L CH) and RT851 (R CH) in the REC mode so that the −10 dB signal is output to the headphones terminal.

Specification:

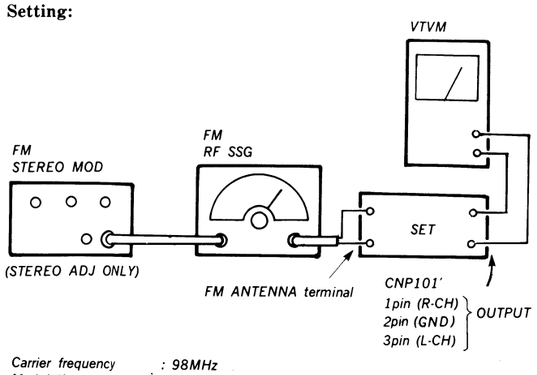
HEAD PHONES level: −10 dB ± 0.5 dB

Adjustment Location: Main board (See page 4.)

TUNER SECTION

1. FM SECTION ADJUSTMENT

Setting:



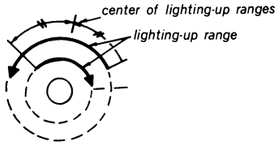
Carrier frequency	: 98MHz
Modulation	: 1kHz
Deviation	: 40kHz (MONO only)
Output level	: 66dBμ (at NULL/STEREO Adjustment)
	: 25dBμ (at TUNED Adjustment)
Stereo MOD setting	
Sub channel	: 38kHz
Deviation	: 16.25kHz
Pilot signal	: 19kHz
Deviation	: 7.5kHz
Modulation	: 1kHz—16.25kHz deviation

Discriminator Alignment (NULL check)

1. Push the TUNING (+, −) button for 98MHz.
2. Adjust T251 for 0V reading on the VTVM.
   test point ≒ TP101

Tuned Lighting-on Adjustment

1. Puch the TUNING (+, −) button for 98MHz.
2. Tune RV103 clockwise or counterclockwise and memorize the lighting-up range of tuned indicator.
3. Adjust RV103 at the center of the lighting-up range of both turns as shown below.



Stereo Separation Adjustment

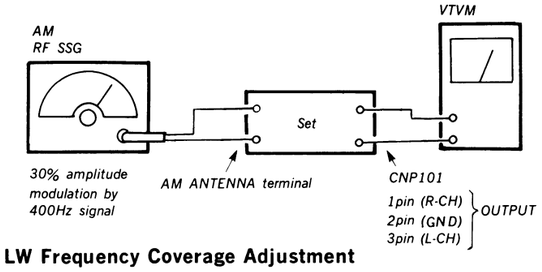
FM stereo signal generator output channel	VTVM connection	VTVM reading (dB)
L-CH	L-CH	Ⓐ
R-CH	L-CH	Ⓑ Adjust RV101 for minimum reading.
R-CH	R-CH	Ⓒ
L-CH	R-CH	Ⓓ Adjust RV101 for minimum reading.

L-CH Stereo separation : Ⓐ—Ⓑ
R-CH Stereo separation : Ⓒ—Ⓓ

The separation of both channels should be equal.
Specification : 35dB

2. AM SECTION ADJUSTMENTS

Setting:



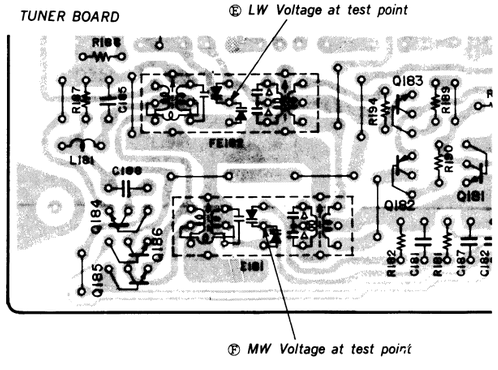
LW Frequency Coverage Adjustment

Frequency display	153kHz	281kHz	West Germany
in set	144kHz	288kHz	Italian
Adjustment part	FE182(OSC)		
Voltage at test point	VT Ⓔ 1V±0.2V		

MW Frequency Coverage Adjustment

Frequency display	531kHz	1602kHz	West Germany
in set	522kHz	1611kHz	Italian
Adjustment part	FE181(OSC)		
Voltage test point	VT Ⓕ 1V±0.2V	9V or less	

Adjustment Location:



LW Tracking Adjustment

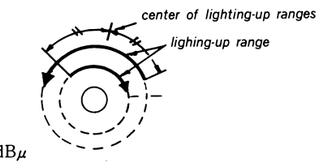
Frequency display in set	171 kHz	West Germany
	162 kHz	Italian
Adjustment part	FE182 (ANT)	
Adjustment for a maximum reading on VTVM.		

MW Tracking Adjustment

Frequency display in set	603 kHz
Adjustment part	FE181 (ANT)
Adjust for a maximum reading on VTVM.	

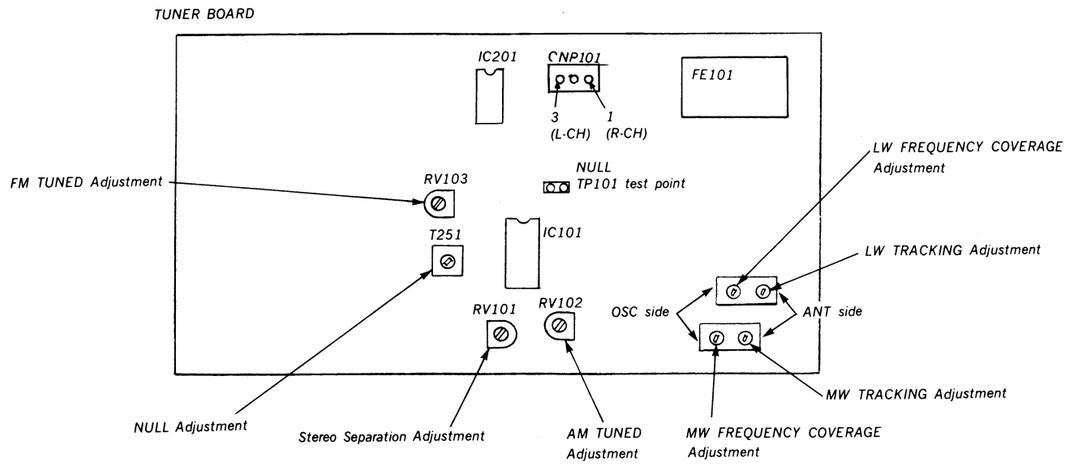
Tuned Lighting-on Adjustment

1. Push the TUNING (+, −) button for LW: 281 kHz (West Germany) or 288 kHz (Italian).
2. Turn RV102 clockwise or counter clockwise and memorize the lighting-up range of tuned indicator.
3. Adjust RV102 at the center of the lighting-up range of both turns as shown below.



At SSG OUTPUT 68dBμ

Adjustment Location:



SECTION 3
DIAGRAMS

3-1. PRINTED WIRING BOARDS

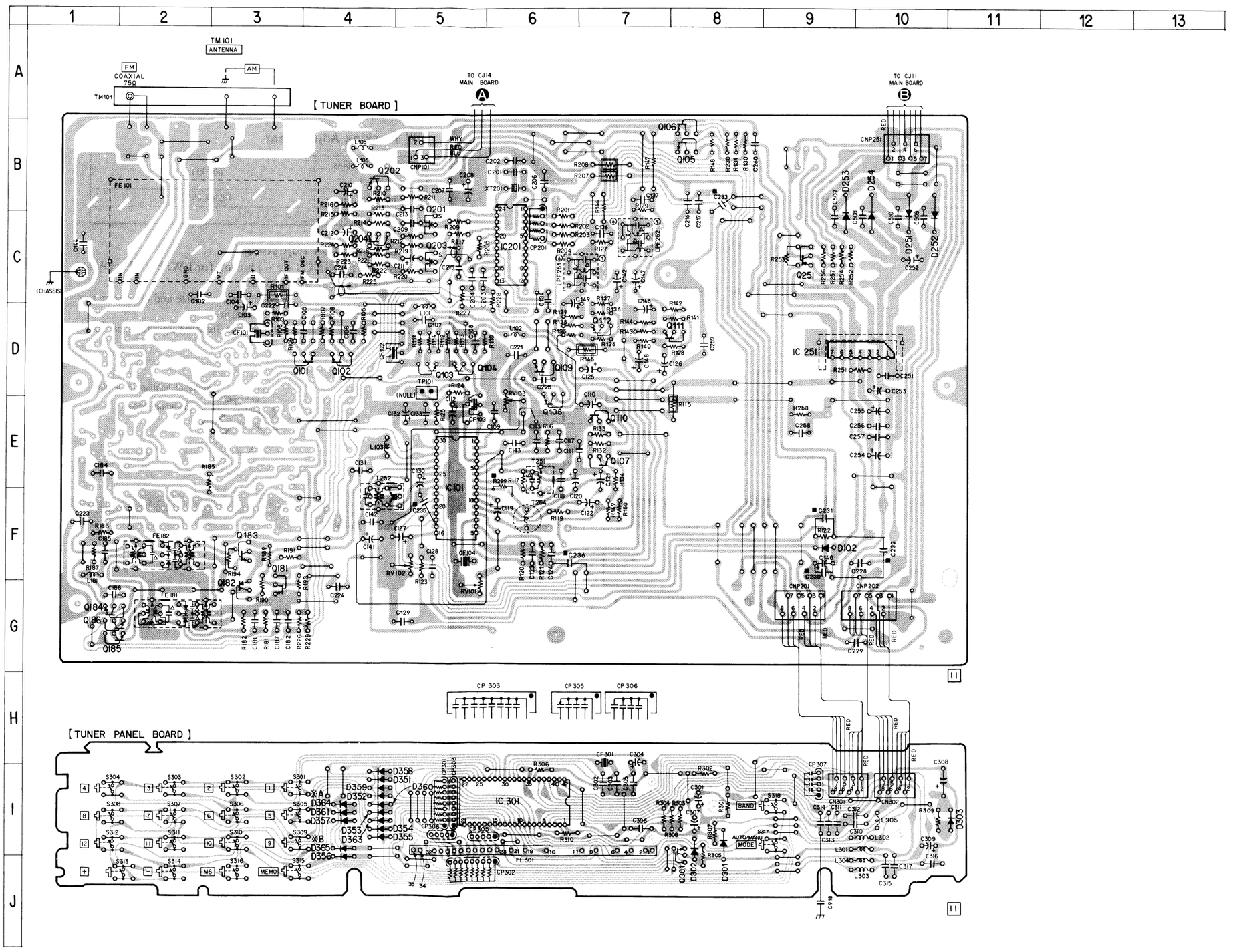
- TUNER SECTION -

Note:

- ■ : parts mounted on the conductor side.
- ⊹ indicates side identified with part number.

. Semiconductor location

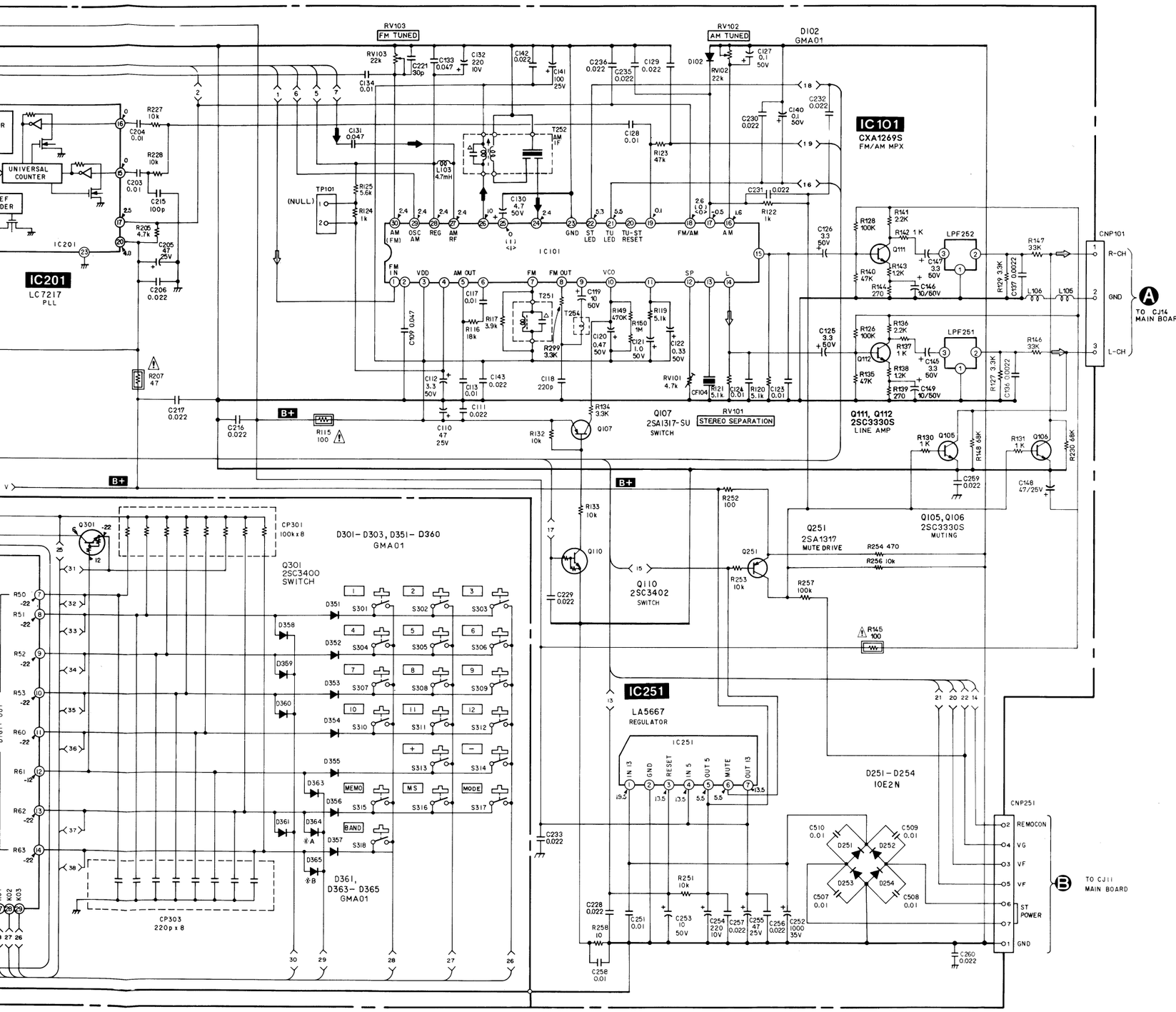
Ref. No.	Location	Ref. No.	Location
IC101	E-5	Q204	C-4
IC201	C-6	Q251	C-9
IC251	D-9	Q301	I-8
IC301	I-6	D102	F-9
Q101	D-3	D251	C-10
Q102	D-4	D252	C-10
Q103	D-5	D253	B-9
Q104	D-5	D254	B-10
Q105	B-8	D301	I-8
Q106	B-8	D302	I-8
Q107	E-7	D303	I-10
Q108	D-6	D351	I-4
Q109	D-6	D352	I-4
Q110	E-7	D353	I-4
Q111	D-7	D354	I-4
Q112	D-7	D355	I-4
Q181	F-3	D356	I-4
Q182	F-3	D357	I-4
Q183	F-3	D358	I-4
Q184	G-1	D359	I-4
Q186	G-1	D360	I-4
Q186	G-1	D361	I-4
Q201	C-5	D363	I-4
Q202	B-4	D364	I-4
Q203	C-5	D365	I-4



3-2. SCHEMATIC DIAGRAM - TUNER SECTION -

[TUNER BOARD]

ANTENNA
FM COAXIAL 75Ω
AM
TM101
FE101
IN
IF OUT
FM OSC
VT
G
B+
C102 1000p
C104 0.022
C103 47 25V
R101 220
C222 0.022
C144 0.02
(CHASSIS)
C226 0.022
Q108 2SA1348 FM SWITCH
L101 100μH
R103 120
Q101,102 2SC2669 FM IF AMP
Q101
Q102
R108 330
R109 27k
C106 0.022
L102 100μH
R113 330
R114 27k
Q103, 104 2SC2669 FM IF AMP
Q103
Q104
CF101
CF102
CF103
R106 330
R111 330
R105 18k
R107 390
C105 0.022
R110 18k
R112 820
C107 0.022
C108 0.022
Q109 2SC3402 FM SWITCH
Q109
Q108
LW
MW
FE182
FE181
C184 0.022
C185 0.0015
C181 0.022
C214 0.01
R225 10k
R181 100k
L181 220μH
C186 560p
R187 1M
Q184 2SC3399 AM MUTE
Q184
R182 47k
C223 0.022
R185 22k
R194 47
Q183
Q182
R189 22k
R191 22k
R186 47k
R190 18k
R193 15k
Q181 2SC3402 AM SWITCH
Q181
Q182 2SA1317 MW SWITCH
Q183 2SC3330S LW SWITCH
Q185 2SC3402 AM SWITCH
Q185
Q186 2SC3399 AM SWITCH
Q186
R229 2.7k
R226 10k
C187 0.022
C182 0.022
C224 0.022
Q201,Q203 2SK772E LW LOWPASS FILTER
C208 47 25V
C207 0.022
R208 100
R222 2.2k
R220 560
R223 4.7k
C211 2.2 50V
R221 4.7k
R215 4.7k
R214 2.2k
R212 560
R213 22k
C209 0.47 50V
C213 0.022
Q201
R209 4.7k
R224 100
C212 0.1 50V
Q203
Q204
R217 3.3k
R219 1.2k
R218 270
C210 0.1 50V
Q202
R211 1.2k
R210 270
Q202,Q204 2SC3820 FM/MW LOWPASS FILTER
PHASE DETECTOR CHARGE DUMP
PROGRAM DIVIDER
SWALLOW COUNTER
UNIVERSAL COUNTER
SHIFT REGISTER LATCH
REF DIVIDER
1/2
IC201
LC7217 PLL
CP201 10k x 4
XT201 7.2M
C201 56p
C202 47p
R227 10k
C204 0.01
R228 10k
C203 0.01
C215 100p
R205 4.7k
C205 47 25V
C206 0.022
R207 47
C217 0.022
R201 1k
R204 1k
R202 1k
R203 1k
+5V
L304 100μH
R308 10k
C313 0.022
C314 0.022
C317 0.1
C316 0.022
C311 0.022
C315 0.022
C312 0.022
C309 47 50V
C310 0.022
L303 100μH
L302 100μH
L305 100μH
L301 100μH
C308 0.22F 5.5V
R309 1k
D303
R307 100
C301 0.1 50V
C307 47 50V
D301
D302
R301 10k
R303 4.7k
R304 10k
R310 10k
R305 10k
C306 0.01
C305 0.01
C303 33p
CF301 4.2 MHz
C304 0.1 50V
C302 33p
R302 100k
R306 100k
IC301
TMP47C441AN-1662 CONTROL
R41 TV
VREF
R42 MUTE
R43 ST/MUTE
R40 ST
R70
VASS
R71
SEG OUT
DIGIT OUT
CP307 220p x 4
CP305 220p x 4
CP306 220p x 4
CP302 100k x 8
CP303 220p x 8
FL301
C218 0.022
[TUNER PANEL BOARD]



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- ⚠ : nonflammable resistor.

> **Note:** The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

- Switch

Ref. No.	Switch	Position
S301-318	KEY MATRIX	OFF

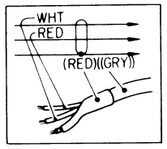
- ※A·B: See page 2 "Note on ceramic filter replacement and diode connection".
- B + : B+ Line
- Voltage and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  - no mark : FM
  - ( ) : MW
  - < > : LW
- Voltages are taken with a VOM (50 kΩ/V). Voltage variations may be noted due to normal production tolerances.
- Signal path.
  - ⇨ : FM
  - ➡ : MW
  - ⇨ : LW

3-3. PRINTED WIRING BOARDS

- AMP AND POWER-SUPPLY SECTION -

Note:

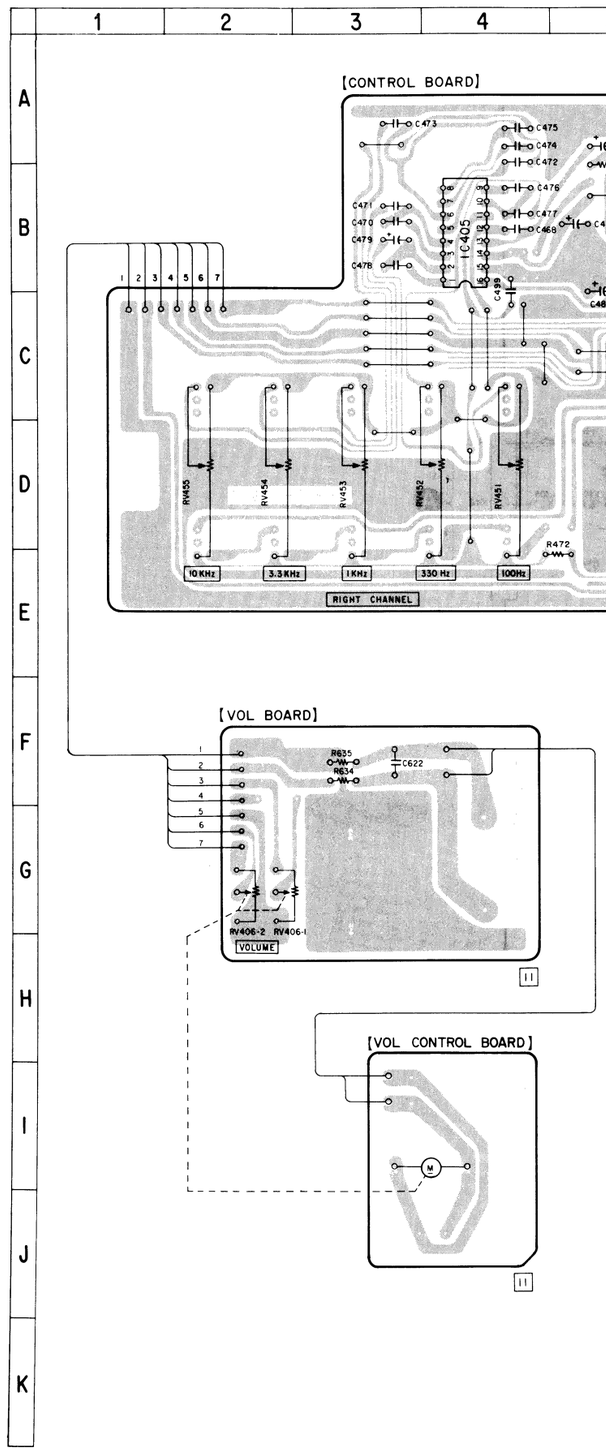
- Color code or sleeving over the end of the jacket.

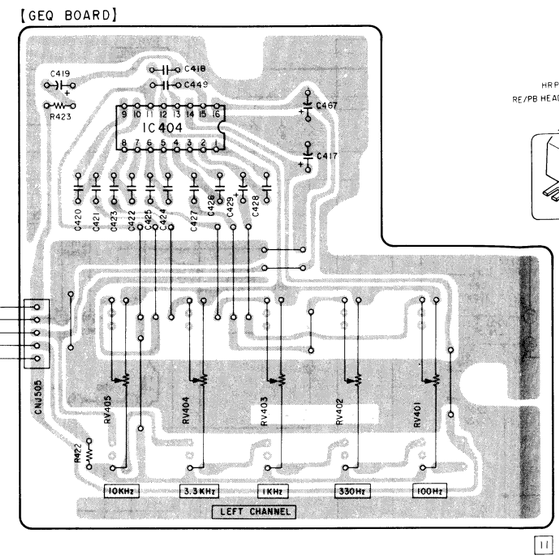


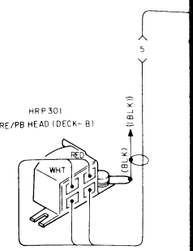
- ○—— : parts extracted from the component side.
- ■ : parts mounted on the conductor side.
- ⬚→ indicates side identified with part number.

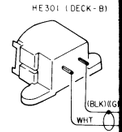
. Semiconductor location

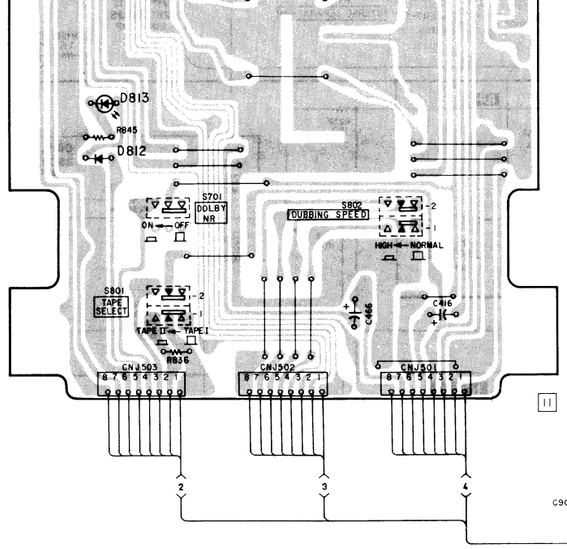
Ref. No.	Location	Ref. No.	Location
IC401	B-24	Q806	F-19
IC402	D-25	Q807	D-20
IC403	E-24	Q808	E-20
IC404	B-12	Q810	F-18
IC405	B-4	Q851	A-23
IC501	J-21	Q855	E-21
IC601	E-25	D401	B-7
IC602	D-6	D402	B-6
IC701	I-17	D403	B-8
IC702	B-19	D404	B-9
IC703	B-13	D405	C-24
IC704	E-18	D406	C-24
IC801	C-23	D506	H-19
IC802	E-22	D601	G-23
IC803	E-21	D602	H-24
IC804	F-20	D607	H-24
IC805	F-19	D609	F-25
Q401	D-24	D610	I-26
Q402	C-23	D611	K-25
Q403	C-23	D612	I-24
Q404	D-25	D613	H-25
Q451	E-24	D616	F-26
Q601	J-23	D801	G-16
Q602	I-24	D802	G-16
Q603	J-23	D803	B-20
Q604	I-23	D804	F-20
Q605	J-24	D805	F-21
Q606	J-25	D806	E-20
Q608	F-25	D807	E-20
Q609	F-26	D808	E-19
Q611	D-5	D809	E-19
Q612	D-26	D810	E-19
Q613	E-26	D811	E-20
Q614	D-26	D812	G-6
Q615	I-24	D813	F-6
Q616	I-23		
Q701	D-18		
Q703	C-19		
Q751	D-18		
Q753	D-19		
Q801	A-22		
Q802	C-21		
Q803	C-21		
Q804	C-21		
Q805	D-22		

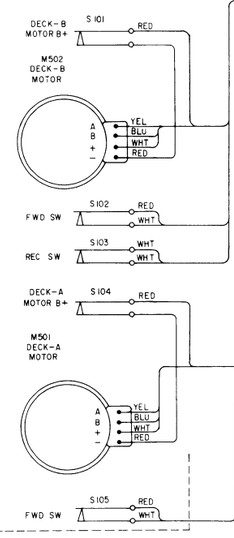


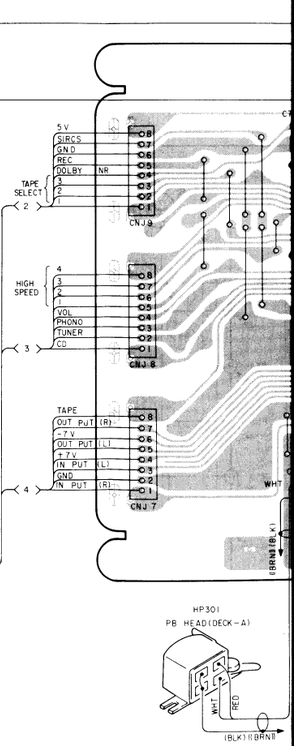












14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32

【MAIN BOARD】

HRP301
RE/PB HEAD (DECK-B)

HE301 (DECK-B)

CNJ 2
1 RED
2 WHT
3 BLU
4 YEL
5 RED
6 WHT
7 WHT
8 PIN

TP701 (HI SPEED)

TP702 (DOLBY NR)

LP701

LP751

HP301
PB HEAD (DECK-A)

5V
SIRCS
GND
REG
DOLBY NR
CNJ 8

TAPE SELECT
HIGH SPEED
VOL
PHONO
TUNER
CD
CNJ 9

TAPE
OUT PUT (R)
7V
OUT PUT (L)
7.7V
IN PUT (L)
GND
IN PUT (R)
CNJ 7

(CHASSIS)

CNJ101
RED
1
2
3
4
BLK

CNJ13
L
CD
R

A TO CNP101 TUNER BOARD

B TO CNP251 TUNER BOARD

CNJ14
IC
RED

CNJ11
2
4
6

CNJ15
RED
2
4

BP904
RED
BLK
RED

BP905
ORG
WHT
BRN
VIO
ORG
GRY

BLU
RED
BLK
RED
WHT
(BLK)
(BLK)
(BLK)(BLK)

CARTRIDGE

PLAYER MOTOR SW
SI06

M3
PLAYER MOTOR

【HP BOARD】

CNJ403
RED

HEADPHONES
CNJ403

PT901
POWER TRANSFORMER

SPEAKER

【FUSE BOARD】

S901
POWER
ON
OFF

BP902
VIO
WHT

BP901
ORG
RED

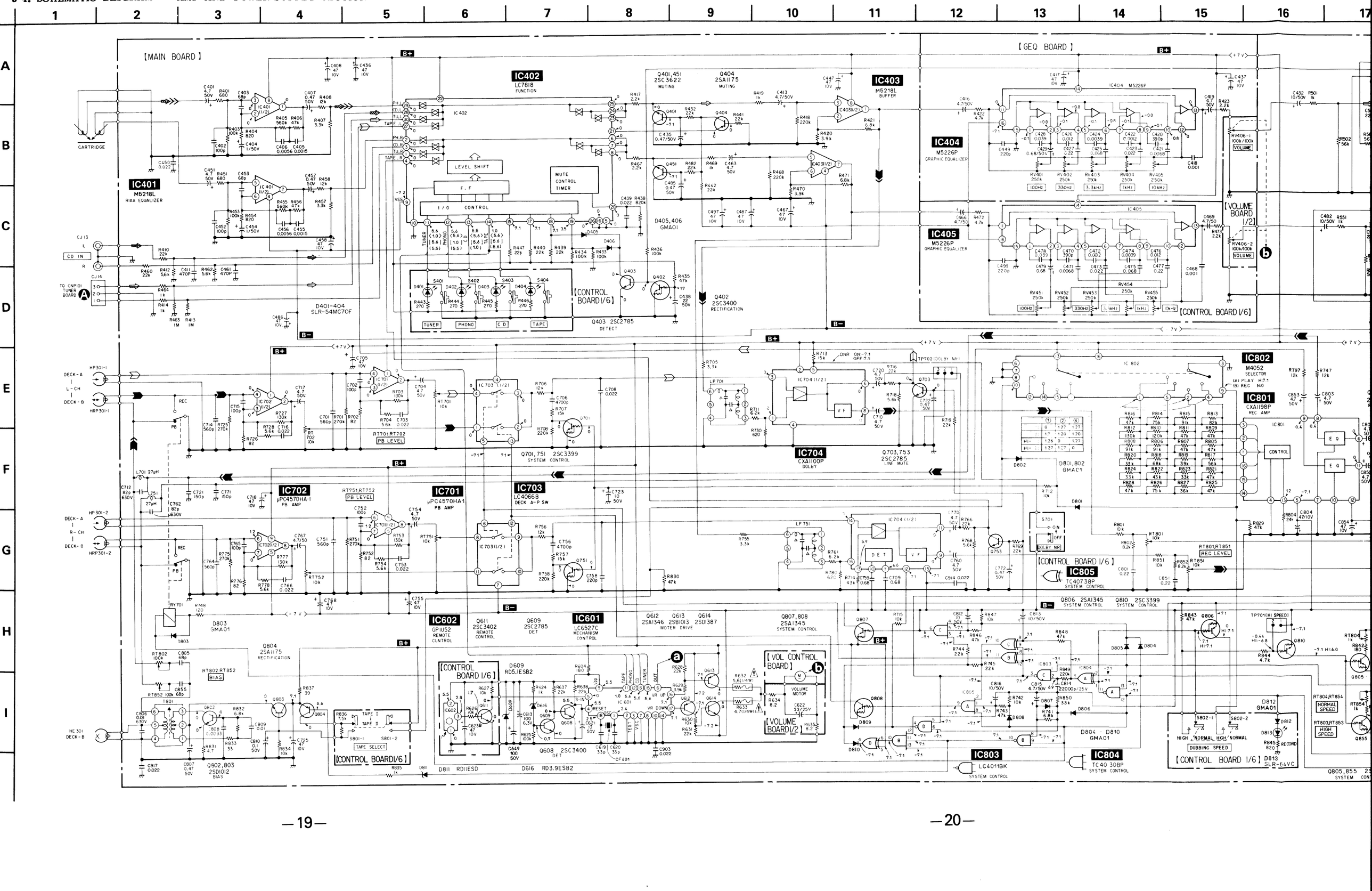
BP903
BLU
BRN

CNP901
AC IN

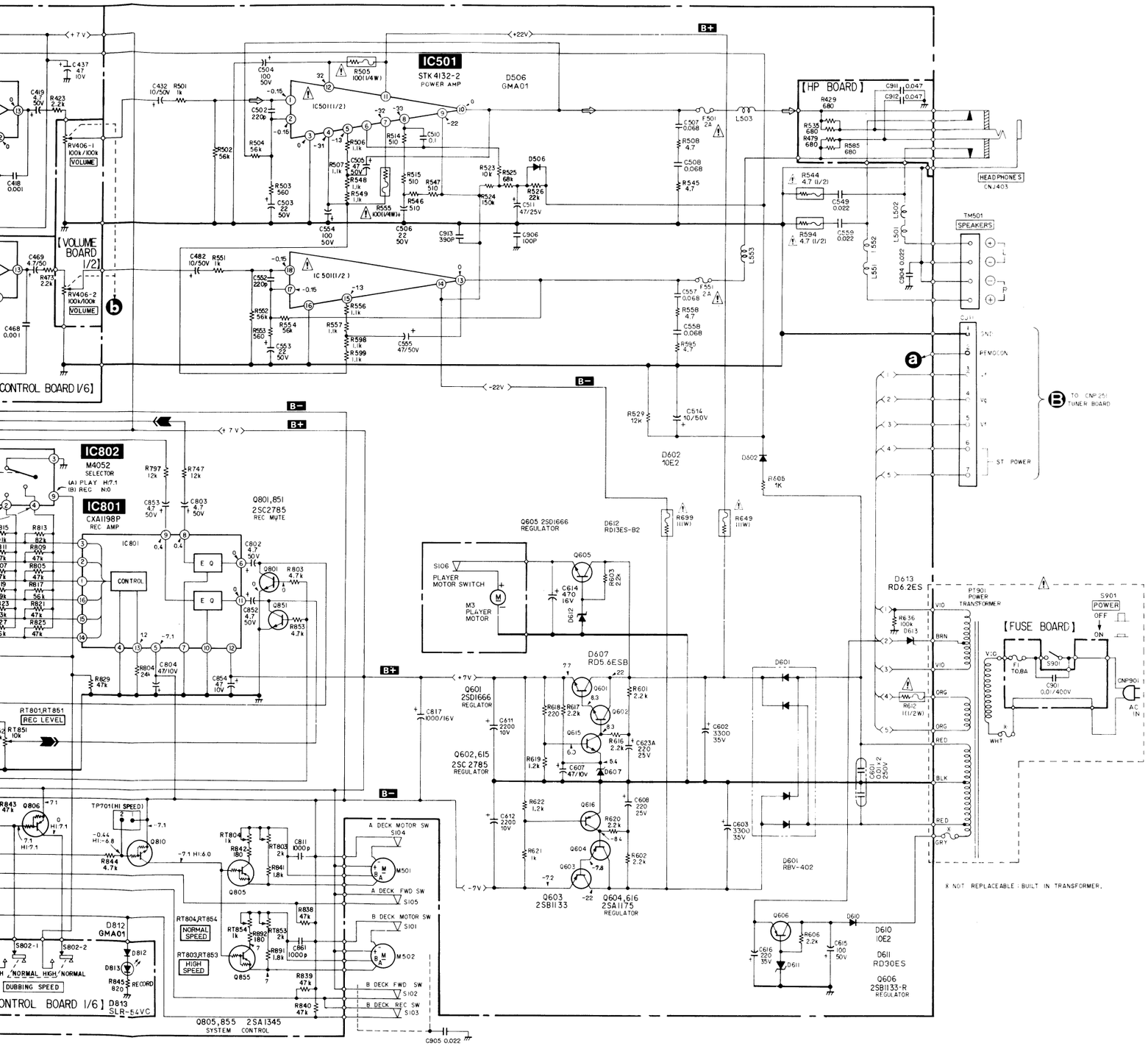
F1

C901

3-4. SCHEMATIC DIAGRAM - AMP AND POWER-SUPPLY SECTION -



15 16 17 18 19 20 21 22 23 24 25



Note:

- All capacitors are in μF unless otherwise noted. pF: μμF 50WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4W or less unless otherwise specified.
- △ : internal component.
- ⚠ : fusible resistor.

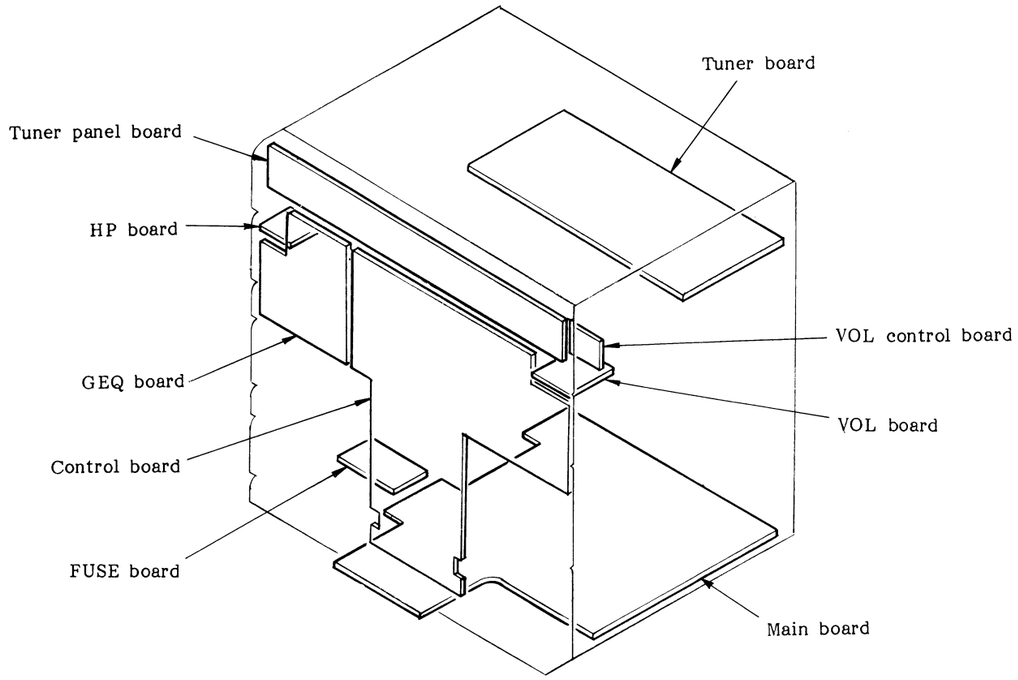
Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.

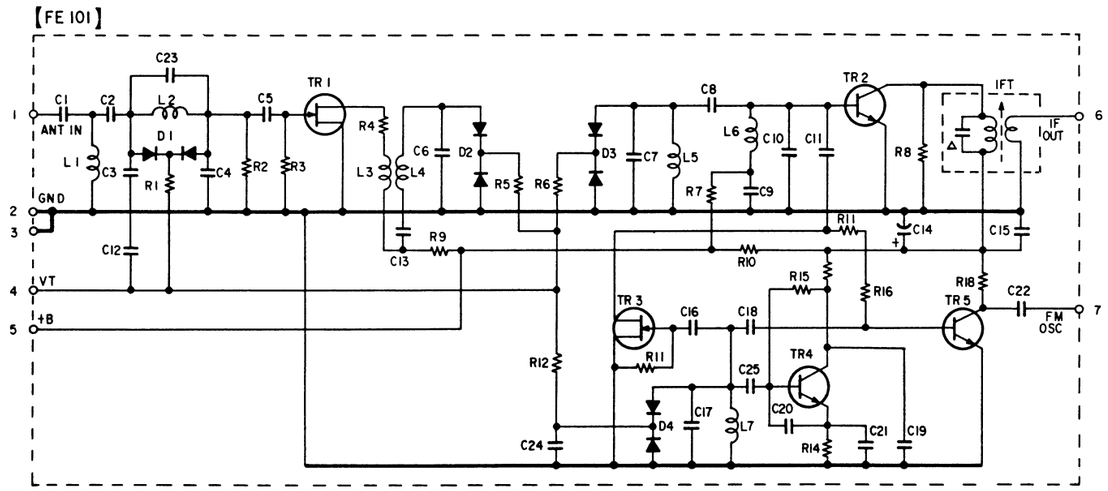
Switches:

Ref. No.	Switch	Position
S101	LEAF SW (B-DECK MOTOR)	OFF
S102	LEAF SW (B-DECK FWD)	OFF
S103	LEAF SW (B-DECK REC)	OFF
S104	LEAF SW (A-DECK MOTOR)	OFF
S105	LEAF SW (A-DECK FWD)	OFF
S401	TUNER	OFF
S402	PHONO	OFF
S403	CD	OFF
S404	TAPE	OFF
S701	DOLBY NR	OFF
S801	TAPE SELECT	TAPE I
S802	DUBBING SPEED	NORMAL
S901	POWER	OFF

- B+ : B+ Line
- B— : B— Line
- ▭ : adjustment for repair.
- Voltage and waveforms are dc with respect to ground under no-signal conditions.
  no mark : TAPE
  ( ) : CD
  < > : TUNER
  [ ] : PHONO
- Voltages are taken with a VOM (50 kΩ/V).
  Voltage variations may be noted due to normal production tolerances.
- Signal path.
  ⇨ : RADIO
  Σ : PB (DECK A)
  ▰ : PB (DECK B)
  ▰⇨ : REC (DECK B)
  ⇨ : CD
  ⇨⇨ : PHONO

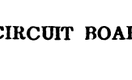
CIRCUIT BOARDS LOCATION





Semiconductors Lead Layout

CXA1100P
CXA1198P
M5226P
TC4052BP



LC4066B
M4030BP
TC4011BP
TC4073BP

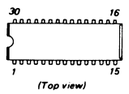
STK4132-2

2SA1345
2SA1346
2SA1348
2SC2669
2SC3330S
2SC3399
2SC3400
2SC3402
2SD1012

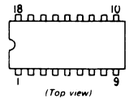
2SK772

SLR-54MC70F165
SLR-54VC70F165

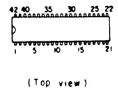
CXA1269S
LC7818K



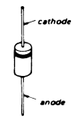
LC6527CK-3467



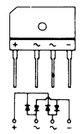
TMP47C441AN-1662



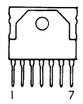
10E2



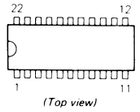
RBV-402-01



LA5667



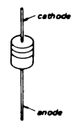
LC7218



μPC4570HA-I

2SB1013
2SC3622AK
2SD1387

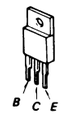
GMA01
RD3.9ES-B1
RD5.1ES-B1
RD5.6ES-B1
RD6.2ES-B1
RD11ES-B1
RD13ES-B1
RD30ES-B2



M5218L

2SA1175
2SA1317
2SC2785
2SC3820

2SB1133
2SD1666

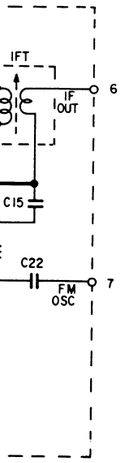


NOTE:

- The mecha number in supplied.
- The constr part are in ber in the r
- Items mark they are service. S pated when

(1)

No.	Part N
1	7-682-
2	3-704-
4	4-923-
	4-923-
5	4-923-
6	4-923-
	4-923-
7	4-923-
8	4-923-
9	*4-924-
	*4-924-
10	2-383-
11	*3-703-
12	7-685-
13	4-923-
	4-923-



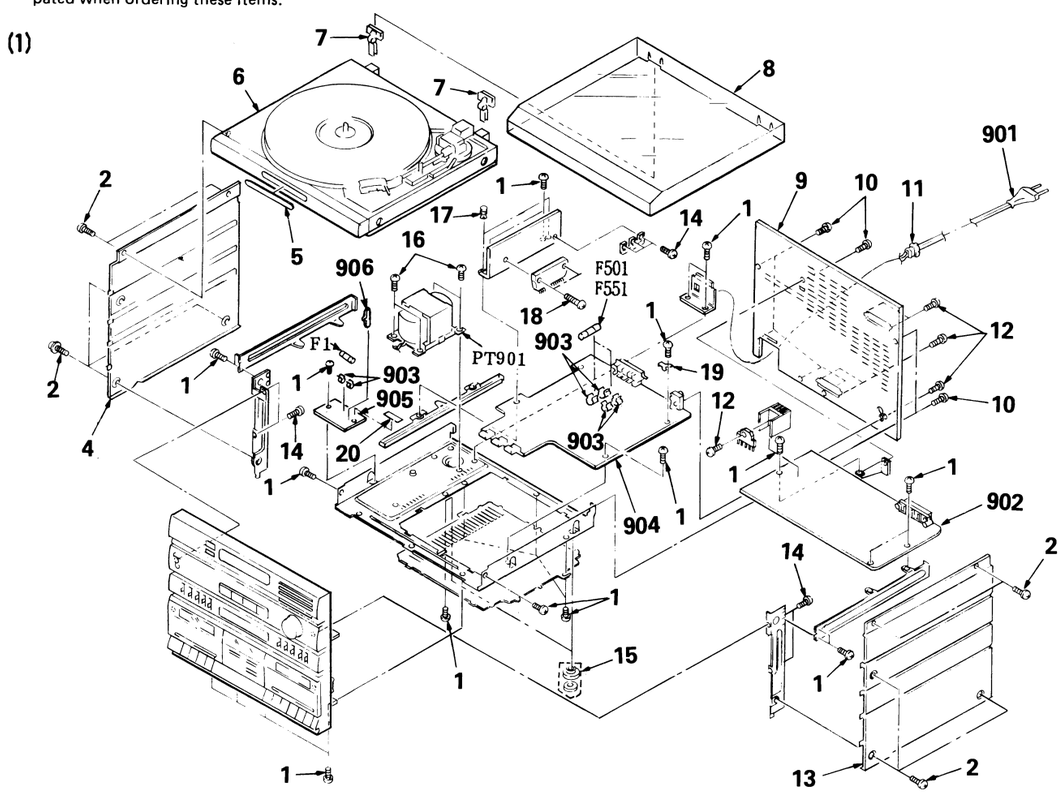
SECTION 4
EXPLODED VIEWS

NOTE:

- The mechanical parts with no reference number in the exploded views are not supplied.
- The construction parts of an assembled part are indicated with a collation number in the remark column.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, parts with part number suffix -XX and -X may be different from the parts specified in the components used on the set.
- Color Indication of Appearance Parts
  Example:
  (RED) . . . KNOB, BALANCE (WHITE)
  ↑ ↑
  Cabinet's Color Parts Color

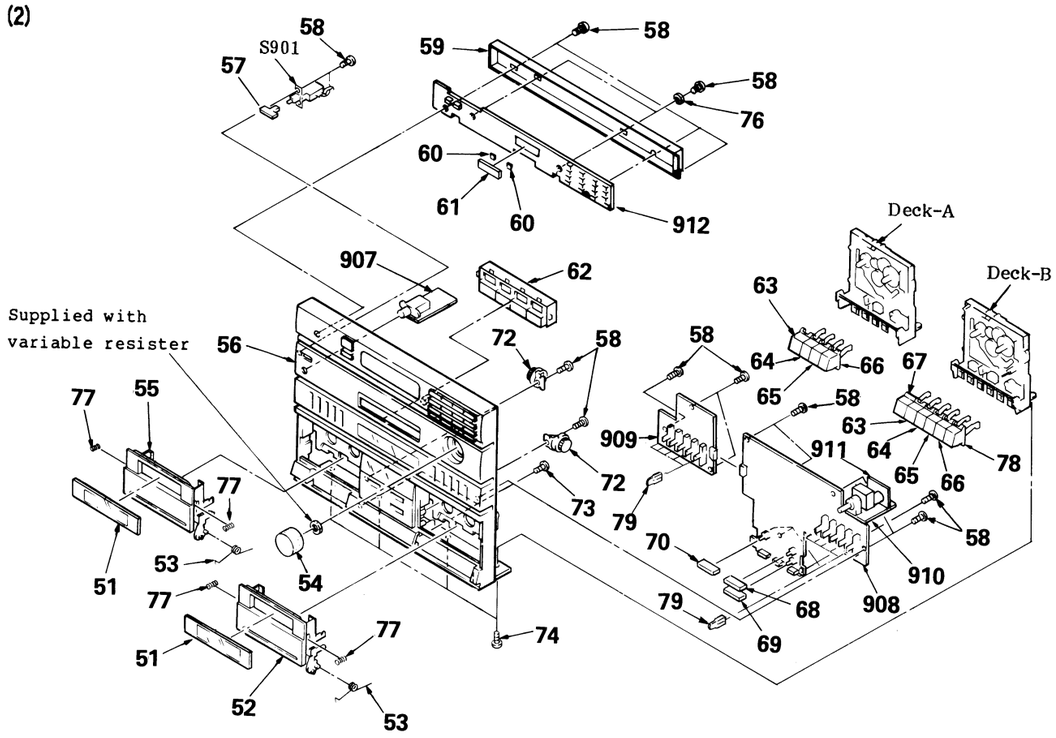
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

(1)



No.	Part No.	Description	Remarks
1	7-682-548-04	SCREW +BVTT 3X8 (S)	
2	3-704-366-01	SCREW (CASE) M3X8	
4	4-923-186-31	(Italian).....CASE (LEFT)	
	4-923-186-41	(West Germany)...CASE (LEFT)	
5	4-923-175-11	PLATE (PS), INDICATION	
6	4-923-184-21	(Italian).....BOARD, PLAYER	
	4-923-184-31	(West Germany)...BOARD, PLAYER	
7	4-923-156-01	HINGE	
8	4-923-179-11	COVER, DUST	
9	*4-924-052-21	(West Germany)...PANEL, BACK	
	*4-924-052-51	(Italian).....PANEL, BACK	
10	2-383-566-00	SCREW	
11	*3-703-244-00	BUSHING (2104), CORD	
12	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
13	4-923-185-31	(Italian).....CASE (RIGHT)	
	4-923-185-41	(West Germany)...CASE (RIGHT)	
14	7-685-646-79	SCREW +BVTP 3X8 TYPE2 N-S	
15	X-4921-901-1	FOOT ASSY	
16	7-682-560-04	SCREW +BVTT 4X6 (S)	
17	4-917-239-01	RIVET, NYLON	
18	7-685-650-79	SCREW +BVTP 3X16 TYPE2 IT-3	
19	*4-904-446-01	PLATE, GROUND	
901	⚠1-555-795-00	CORD, POWER, EULO PLUG (CNP901)	
902	*A-4351-670-A	PC BOARD ASSY, TUNER	
903	1-533-183-11	HOLDER, FUSE	
904	*A-4388-768-A	MOUNTED PCB, MAIN AMPLIFIER	
905	*1-627-224-11	PC BOARD, FUSE	
906	1-535-476-11	TERMINAL	
F1	⚠1-576-006-11	FUSE (0.8A)	
F501	⚠1-576-008-11	FUSE (2.0A)	
F551	⚠1-576-008-11	FUSE (2.0A)	
PT901	⚠1-449-174-21	TRANSFORMER, POWER	

(2)



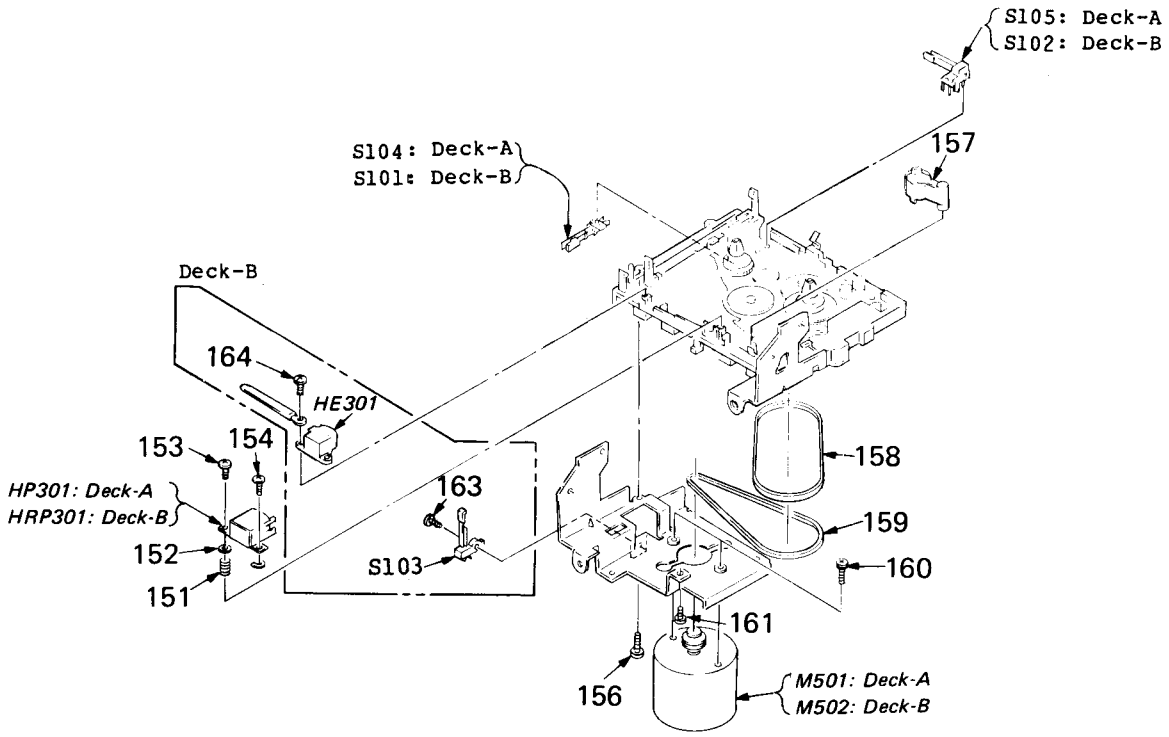
No.	Part No.	Description	Remarks
51	4-923-154-01	PLATE (MD), INDICATION	
52	4-923-183-12	(Italian).....HOLDER, CASSETTE	
	4-923-183-32	(West Germany)...HOLDER, CASSETTE	
53	4-923-147-11	SPRING, TORSION	
54	4-923-172-01	(Italian).....KNOB (V)	
	4-923-172-12	(West Germany)...KNOB (V)	
55	4-923-183-01	(Italian).....HOLDER, CASSETTE	
	4-923-183-22	(West Germany)...HOLDER, CASSETTE	
56	A-4323-016-A	(Italian).....PANEL ASSY, FRONT	
	A-4323-017-A	(West Germany)...PANEL ASSY, FRONT	
57	4-923-162-01	(Italian).....BUTTON (P)	
	4-923-162-11	(West Germany)...BUTTON (P)	
58	7-685-647-79	SCREW +BVTP 3X10 TYPE2 IT-3	
59	*4-924-025-01	PLATE, SHIELD	
60	*4-921-941-11	CUSHION (FL)	
61	*4-923-103-01	HOLDER, FL TUBE	
62	4-923-170-01	(Italian).....BUTTON (F)	
	4-923-170-11	(West Germany)...BUTTON (F)	
63	4-924-051-01	(Italian).....BUTTON (T1)(▶)	
	4-924-051-51	(West Germany)...BUTTON (T1)(▶)	
64	4-924-051-11	(Italian).....BUTTON (T1)(◀◀)	
	4-924-051-61	(West Germany)...BUTTON (T1)(◀◀)	
65	4-924-051-21	(Italian).....BUTTON (T1)(▶▶)	
	4-924-051-71	(West Germany)...BUTTON (T1)(▶▶)	
66	4-924-181-41	(Italian).....BUTTON (T1)(■⏏)	
	4-924-181-91	(West Germany)...BUTTON (T1)(■⏏)	
67	4-923-171-01	(Italian).....BUTTON (REC)	
	4-923-171-11	(West Germany)...BUTTON (REC)	
68	4-923-152-11	(Italian).....BUTTON (T)(DOLBY NR)	
	4-923-152-41	(West Germany)...BUTTON (T)(DOLBY NR)	
69	4-923-152-01	(Italian).....BUTTON (T)(TAPE SELECT)	
	4-923-152-31	(West Germany)...BUTTON (T)(TAPE SELECT)	
70	4-923-152-21	(Italian).....BUTTON (T)(DUBBING SPEED)	
	4-923-152-51	(West Germany)..BUTTON (T)(DUBBING SPEED)	
71	*4-923-169-01	HOLDER, LED	
72	4-919-393-01	DAMPER	
73	7-685-648-79	SCREW, TAPPING	
74	7-682-548-04	SCREW +BVTT 3X8 (S)	
76	4-924-029-11	WASHER	
77	*3-610-808-00	SPRING (1)	
78	4-924-051-31	(Italian).....BUTTON (T1)(▮▮)	
	4-924-051-81	(West Germany)...BUTTON (T1)(▮▮)	
907	*1-627-222-11	PC BOARD, HP	
908	*1-627-219-11	PC BOARD, CONTROL	
909	*1-627-218-11	PC BOARD, GEQ (L)	
910	*1-627-220-11	PC BOARD, VOL	
911	*1-627-221-11	PC BOARD, VOL CONTROL	
912	*1-626-248-11	PC BOARD, TUNER PANEL	
S901	⚠1-553-318-31	SWITCH, PUSH (AC POWER)(1 KEY)	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

(3)

Mechanism Section

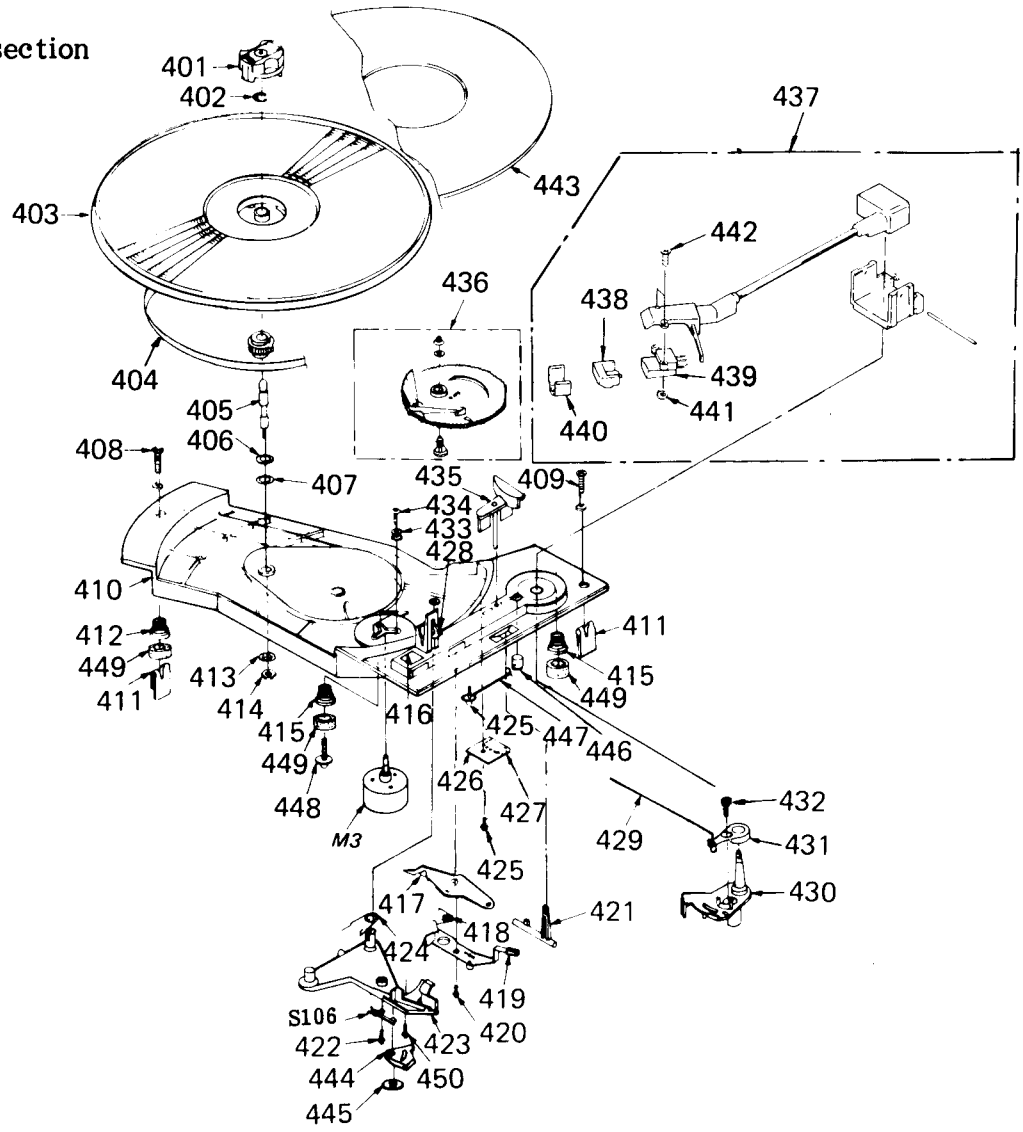
(Deck-A: TCM-YM47W-39
Deck-B: TCM-YM47W-38)



No.	Part No.	Description	Remarks
151	4-894-955-01	C SPRING	
152	3-390-823-01	WASHER, F	
153	7-621-905-65	SCREW, TOTSU P 2X8	
154	7-621-255-15	SCREW +P 2X3	
156	7-685-133-19	SCREW +P 2.6X6 TYPE1	
157	3-390-805-01	ROLLER ASSY, PINCH	
158	3-390-807-01	BELT	
159	3-390-816-01	BELT, SQUARE	
160	7-628-253-90	SCREW +PS 2.6X4	
161	7-682-147-01	SCREW +PTT 3X6 (S)	
163	3-392-102-01	SCREW, D PAN	
164	7-685-781-04	SCREW +PTT 2X4 (S)	

No.	Part No.	Description	Remarks
HE301	1-543-261-11	(DECK B)...HEAD, ERASE (886-01-24)	
HP301	1-543-424-11	(DECK A)...HEAD, MAGNETIC (PB)	
HRP301	1-543-424-11	(DECK B)...HEAD, MAGNETIC (REC/PB)	
M501	X-3390-801-1	(DECK A)...MOTOR ASSY	
M502	X-3390-801-1	(DECK B)...MOTOR ASSY	
S101	1-570-715-11	(DECK B)...SWITCH, LEAF (MOTOR B+)	
S102	1-570-716-11	(DECK B)...SWITCH, LEAF (FWD)	
S103	1-571-260-11	(DECK B)...SWITCH, LEAF (REC)	
S104	1-570-715-11	(DECK A)...SWITCH, LEAF (MOTOR B+)	
S105	1-570-716-11	(DECK A)...SWITCH, LEAF (FWD)	

(4) Turn table section



No.	Part No.	Description	Remarks
401	4-895-521-01	ADAPOER (B), 45	
402	4-895-020-01	E RING DIA.6	
403	X-4895-501-1	TURNTABLE ASSY	
404	4-895-022-01	BELT	
405	4-895-524-01	SPINDLE, CENTER	
406	4-895-024-01	POLY WASHER	
407	4-895-025-01	FLAT WASHER	
408	*4-895-525-01	SCREW (1), TRANSPORT	
409	*4-895-526-01	SCREW (2), TRANSPORT	
410	*4-895-028-01	BASE	
411	*4-895-029-01	RETAINING CLIP	
412	*4-895-030-01	SPRING (B)	
413	4-895-031-01	W GEAR	
414	4-895-032-01	NUT	
415	*4-895-033-01	SPRING (A)	
416	4-895-552-01	LID, FUNCTION	
417	4-895-035-01	SPEED SHIFT CAM 45	
418	4-895-036-01	SPRING	
419	4-895-037-01	SPEED SHIFT CAM 33	
420	4-895-038-01	7-CUP 3008	
421	4-895-039-01	CUE LEVER	
422	4-895-040-01	7-BID 2006	
423	*4-895-527-01	ARM, CONTROL	
424	4-895-042-01	ARM, CONTROL	
425	4-895-044-01	7-BID 3008	
426	*4-895-528-01	PLATE, MOTOR	

No.	Part No.	Description	Remarks
427	*4-895-529-01	BASE, SIDE	
428	4-895-046-01	P.U. TUBE HOOK	
429	*4-895-530-01	ROD	
430	*4-895-531-01	CAM	
431	4-895-532-01	CLUTCH	
432	4-895-533-01	SPRING	
433	4-895-049-01	GROMMET (A)	
434	4-895-050-01	SCREW	
435	*4-895-534-01	PLATE, LIFTER	
436	X-4895-502-1	GEAR ASSY, CAM	
437	X-4896-005-1	ARM ASSY, PICK-UP	
438	4-896-147-01	STYLUS	
439	4-896-146-01	CARTRIDGE	
440	*4-896-148-01	COVER, CARTRIDGE	
441	4-896-145-01	NUT (26ZN3K)	
442	4-896-149-01	2BID2608ZN3K	
443	4-896-016-01	TURNTABLE MAT	
444	*4-895-550-01	CAM	
445	4-303-605-00	PUSH NUT DIA.3	
446	*4-895-058-01	VISCOUS SHAFT	
447	*4-895-059-01	VISCOUS WIRE	
448	4-895-551-01	SCREW	
449	4-895-064-01	SPONGE	
450	7-685-649-79	SCREW (7-BID 3016 ZN3A)	
M3	4-895-034-01	MOTOR ASSY (PLAYER)	
S106	4-895-068-01	LIEF, SW (PLAYER MOTOR)	

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- If there are two or more same circuits in a set such as a stereophonic machine, only typical circuit parts may be indicated and capacitors and resistors in other same circuits may be omitted.

CAPACITORS:
MF: μF, PF: μμF.

RESISTORS
- All resistors are in ohms.
- F: nonflammable

COILS
- MMH: mH, UH: μH

SEMICONDUCTORS
In each case, U: μ, for example:
UA...: μA..., UPA...: μPA...,
UPC...: μPC, UPD...: μPD...

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description			
901	⚠1-555-795-00	CORD, POWER, EULO PLUG (CNP901)			
902	*A-4351-670-A	PC BOARD ASSY, TUNER			
903	1-533-183-11	HOLDER, FUSE			
904	A-4388-768-A	MOUNTED PCB, MAIN AMPLIFIER			
905	*1-627-224-11	PC BOARD, FUSE			
906	1-535-476-11	TERMINAL			
907	*1-627-222-11	PC BOARD, HP			
908	*1-627-219-11	PC BOARD, CONTROL			
909	*1-627-218-11	PC BOARD, GEQ (L)			
910	*1-627-220-11	PC BOARD, VOL			
911	*1-627-221-11	PC BOARD, VOL CONTROL			
912	*1-626-248-11	PC BOARD, TUNER PANEL			
BP901	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P			
BP902	*1-535-139-00	BASE POST 22MM (10MM PITCH) 2P			
BP904	*1-535-119-00	TERMINAL			
BP905	*1-535-118-00	TERMINAL			
C102	1-102-074-00	CERAMIC	0.001MF	10%	50V
C103	1-124-477-11	ELECT	47MF	20%	25V
C104	1-101-005-00	CERAMIC	0.022MF		50V
C105	1-101-005-00	CERAMIC	0.022MF		50V
C106	1-101-005-00	CERAMIC	0.022MF		50V
C107	1-101-005-00	CERAMIC	0.022MF		50V
C108	1-101-005-00	CERAMIC	0.022MF		50V
C109	1-101-006-00	CERAMIC	0.047MF		50V
C110	1-124-477-11	ELECT	47MF	20%	25V
C111	1-101-005-00	CERAMIC	0.022MF		50V
C112	1-123-382-00	ELECT	3.3MF	20%	50V
C113	1-101-004-00	CERAMIC	0.01MF		50V
C117	1-130-483-00	MYLAR	0.01MF	5%	50V
C118	1-102-110-00	CERAMIC	220PF	5%	50V
C119	1-123-875-11	ELECT	10MF	20%	50V
C120	1-124-902-00	ELECT	0.47MF	20%	50V
C121	1-124-499-11	ELECT	1MF	20%	50V
C122	1-124-252-00	ELECT	0.33MF	20%	50V
C123	1-101-004-00	CERAMIC	0.01MF		50V
C124	1-101-004-00	CERAMIC	0.01MF		50V
C125	1-123-382-00	ELECT	3.3MF	20%	50V
C126	1-123-382-00	ELECT	3.3MF	20%	50V
C127	1-124-463-00	ELECT	0.1MF	20%	50V
C128	1-101-004-00	CERAMIC	0.01MF		50V
C129	1-101-005-00	CERAMIC	0.022MF		50V
C130	1-124-927-11	ELECT	4.7MF	20%	50V
C131	1-101-006-00	CERAMIC	0.047MF		50V
C132	1-124-444-00	ELECT	220MF	20%	10V
C133	1-101-006-00	CERAMIC	0.047MF		50V
C134	1-101-004-00	CERAMIC	0.01MF		50V
C136	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C137	1-102-121-00	CERAMIC	0.0022MF	10%	50V
C139	1-101-115-00	CERAMIC	560PF	10%	50V
C140	1-124-463-00	ELECT	0.1MF	20%	50V
C141	1-124-478-11	ELECT	100MF	20%	25V
C142	1-101-005-00	CERAMIC	0.022MF		50V
C143	1-101-005-00	CERAMIC	0.022MF		50V
C144	1-101-005-00	CERAMIC	0.022MF		50V
C145	1-123-382-00	ELECT	3.3MF	20%	50V
C146	1-123-875-11	ELECT	10MF	20%	50V
C147	1-123-382-00	ELECT	3.3MF	20%	50V
C148	1-124-477-11	ELECT	47MF	20%	25V
C149	1-123-875-11	ELECT	10MF	20%	50V
C181	1-101-005-00	CERAMIC	0.022MF		50V
C182	1-101-005-00	CERAMIC	0.022MF		50V
C184	1-101-005-00	CERAMIC	0.022MF		50V
C185	1-102-119-00	CERAMIC	0.0015MF	10%	50V
C186	1-102-115-00	CERAMIC	560PF	10%	25V
C187	1-101-005-00	CERAMIC	0.022MF		50V
C201	1-101-884-00	CERAMIC	56PF	5%	50V
C202	1-101-880-00	CERAMIC	47PF	5%	50V
C203	1-101-004-00	CERAMIC	0.01MF		50V
C204	1-101-004-00	CERAMIC	0.01MF		50V
C205	1-124-477-11	ELECT	47MF	20%	25V
C206	1-101-005-00	CERAMIC	0.022MF		50V
C207	1-101-005-00	CERAMIC	0.022MF		50V
C208	1-124-477-11	ELECT	47MF	20%	25V
C209	1-136-173-00	FILM	0.47MF	5%	50V
C210	1-124-463-00	ELECT	0.1MF	20%	50V
C211	1-124-925-11	ELECT	2.2MF	20%	50V
C212	1-124-463-00	ELECT	0.1MF	20%	50V
C213	1-101-005-00	CERAMIC	0.022MF		50V
C214	1-101-004-00	CERAMIC	0.01MF		50V
C215	1-102-973-00	CERAMIC	100PF	5%	50V
C216	1-101-005-00	CERAMIC	0.022MF		50V
C217	1-101-005-00	CERAMIC	0.022MF		50V
C221	1-102-962-00	CERAMIC	30PF		50V
C222	1-101-005-00	CERAMIC	0.022MF		50V
C223	1-101-005-00	CERAMIC	0.022MF		50V
C224	1-101-005-00	CERAMIC	0.022MF		50V
C225	1-101-005-00	CERAMIC	0.022MF		50V
C228	1-101-005-00	CERAMIC	0.022MF		50V
C229	1-101-005-00	CERAMIC	0.022MF		50V
C230	1-101-005-00	CERAMIC	0.022MF		50V
C231	1-101-005-00	CERAMIC	0.022MF		50V

Ref.No.	Part No.	Description			
C232	1-101-005-00	CERAMIC	0.022MF		50V
C233	1-101-005-00	CERAMIC	0.022MF		50V
C235	1-101-005-00	CERAMIC	0.022MF		50V
C236	1-101-005-00	CERAMIC	0.022MF		50V
C251	1-101-004-00	CERAMIC	0.01MF		50V
C252	1-126-105-11	ELECT	1000MF	20%	35V
C253	1-123-875-11	ELECT	10MF	20%	50V
C254	1-124-444-00	ELECT	220MF	20%	10V
C255	1-124-477-11	ELECT	47MF	20%	25V
C256	1-101-005-00	CERAMIC	0.022MF		50V
C257	1-101-005-00	CERAMIC	0.022MF		50V
C258	1-136-153-00	MYLAR	0.01MF	5%	50V
C259	1-101-005-00	CERAMIC	0.022MF		50V
C260	1-101-005-00	CERAMIC	0.022MF		
C301	1-124-463-00	ELECT	0.1MF	20%	50V
C302	1-162-056-00	CERAMIC	33PF	5%	50V
C303	1-162-056-00	CERAMIC	33PF	5%	50V
C304	1-124-463-00	ELECT	0.1MF	20%	50V
C305	1-161-379-00	CERAMIC	0.01MF	30%	16V
C306	1-161-379-00	CERAMIC	0.01MF	30%	16V
C307	1-124-910-11	ELECT	47MF	20%	50V
C308	1-125-486-11	DOUBLE LAYERS	0.22F		5.5V
C309	1-124-910-11	ELECT	47MF	20%	50V
C310	1-101-005-00	CERAMIC	0.022MF		50V
C311	1-101-005-00	CERAMIC	0.022MF		50V
C312	1-101-005-00	CERAMIC	0.022MF		50V
C313	1-101-005-00	CERAMIC	0.022MF		50V
C314	1-101-005-00	CERAMIC	0.022MF		50V
C315	1-101-005-00	CERAMIC	0.022MF		50V
C316	1-101-005-00	CERAMIC	0.022MF		50V
C317	1-136-165-00	FILM	0.1MF	5%	50V
C401	1-124-927-11	ELECT	4.7MF	20%	50V
C402	1-162-282-31	CERAMIC	100PF	10%	50V
C403	1-162-219-31	CERAMIC	68PF	5%	50V
C404	1-124-499-11	ELECT	1MF	20%	50V
C405	1-130-473-00	MYLAR	0.0015MF	5%	50V
C406	1-130-480-00	MYLAR	0.0056MF	5%	50V
C407	1-124-902-00	ELECT	0.47MF	20%	50V
C408	1-124-446-11	ELECT	47MF	20%	10V
C411	1-162-290-31	CERAMIC	470PF	10%	50V
C413	1-124-927-11	ELECT	4.7MF	20%	50V
C416	1-124-927-11	ELECT	4.7MF	20%	50V
C417	1-124-446-11	ELECT	47MF	20%	10V
C418	1-162-294-31	CERAMIC	0.001MF	10%	50V
C419	1-124-927-11	ELECT	4.7MF	20%	50V
C420	1-162-289-31	CERAMIC	390PF	10%	50V
C421	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C422	1-130-472-00	MYLAR	0.0012MF	5%	50V
C423	1-130-487-00	MYLAR	0.022MF	5%	50V
C424	1-130-478-00	MYLAR	0.0039MF	5%	50V
C425	1-130-493-00	MYLAR	0.068MF	5%	50V
C426	1-130-484-00	MYLAR	0.012MF	5%	50V
C427	1-130-499-00	MYLAR	0.22MF	5%	50V
C428	1-130-490-11	MYLAR	0.039MF	5%	50V
C429	1-124-254-00	ELECT	0.68MF	20%	50V
C432	1-123-875-11	ELECT	10MF	20%	50V
C435	1-124-902-00	ELECT	0.47MF	20%	50V

Ref.No.	Part No.	Description			
C436	1-124-446-11	ELECT	47MF	20%	10V
C437	1-124-446-11	ELECT	47MF	20%	10V
C438	1-124-908-11	ELECT	22MF	20%	50V
C439	1-130-487-00	MYLAR	0.022MF	5%	50V
C447	1-124-446-11	ELECT	47MF	20%	10V
C449	1-162-286-31	CERAMIC	220PF	10%	50V
C450	1-161-494-00	CERAMIC	0.022MF		25V
C451	1-124-927-11	ELECT	4.7MF	20%	50V
C452	1-162-282-31	CERAMIC	100PF	10%	50V
C453	1-162-219-31	CERAMIC	68PF	5%	50V
C454	1-124-499-11	ELECT	1MF	20%	50V
C455	1-130-473-00	MYLAR	0.0015MF	5%	50V
C456	1-130-480-00	MYLAR	0.0056MF	5%	50V
C457	1-124-902-00	ELECT	0.47MF	20%	50V
C458	1-124-446-11	ELECT	47MF	20%	10V
C461	1-162-290-31	CERAMIC	470PF	10%	50V
C463	1-124-927-11	ELECT	4.7MF	20%	50V
C466	1-124-927-11	ELECT	4.7MF	20%	50V
C467	1-124-446-11	ELECT	47MF	20%	10V
C468	1-162-294-31	CERAMIC	0.001MF	10%	50V
C469	1-124-927-11	ELECT	4.7MF	20%	50V
C470	1-162-289-31	CERAMIC	390PF	10%	50V
C471	1-161-329-00	CERAMIC	0.0068MF	30%	16V
C472	1-130-472-00	MYLAR	0.0012MF	5%	50V
C473	1-130-487-00	MYLAR	0.022MF	5%	50V
C474	1-130-478-00	MYLAR	0.0039MF	5%	50V
C475	1-130-493-00	MYLAR	0.068MF	5%	50V
C476	1-130-484-00	MYLAR	0.012MF	5%	50V
C477	1-130-499-00	MYLAR	0.22MF	5%	50V
C478	1-130-490-11	MYLAR	0.039MF	5%	50V
C479	1-124-254-00	ELECT	0.68MF	20%	50V
C482	1-123-875-11	ELECT	10MF	20%	50V
C485	1-124-902-00	ELECT	0.47MF	20%	50V
C486	1-124-446-11	ELECT	47MF	20%	10V
C487	1-124-446-11	ELECT	47MF	20%	10V
C497	1-124-446-11	ELECT	47MF	20%	10V
C499	1-162-286-31	CERAMIC	220PF	10%	50V
C502	1-162-286-31	CERAMIC	220PF	10%	50V
C503	1-124-908-11	ELECT	22MF	20%	50V
C504	1-124-122-11	ELECT	100MF	20%	50V
C505	1-124-910-11	ELECT	47MF	20%	50V
C506	1-124-908-11	ELECT	22MF	20%	50V
C507	1-130-493-00	MYLAR	0.068MF	5%	50V
C508	1-130-493-00	MYLAR	0.068MF	5%	50V
C509	1-101-004-00	CERAMIC	0.01MF		50V
C510	1-130-495-00	MYLAR	0.1MF	5%	50V
C511	1-124-477-11	ELECT	47MF	20%	25V
C514	1-123-875-11	ELECT	10MF	20%	50V
C517	1-101-005-00	CERAMIC	0.022MF		50V
C518	1-161-494-00	CERAMIC	0.022MF		25V
C549	1-101-005-00	CERAMIC	0.022MF		50V
C552	1-162-286-31	CERAMIC	220PF	10%	50V
C553	1-124-908-11	ELECT	22MF	20%	50V
C554	1-124-122-11	ELECT	100MF	20%	50V
C555	1-124-910-11	ELECT	47MF	20%	50V
C557	1-130-493-00	MYLAR	0.068MF	5%	50V
C558	1-130-493-00	MYLAR	0.068MF	5%	50V

Ref.No.	Part No.	Description			
C559	1-101-005-00	CERAMIC	0.022MF		50V
C601	1-102-355-00	CERAMIC	0.01MF		250V
C602	1-124-026-00	ELECT	3300MF	20%	35V
C603	1-124-026-00	ELECT	3300MF	20%	35V
C607	1-124-446-11	ELECT	47MF	20%	10V
C608	1-124-120-11	ELECT	220MF	20%	25V
C611	1-124-893-11	ELECT	2200MF	20%	10V
C612	1-124-893-11	ELECT	2200MF	20%	10V
C613	1-124-443-00	ELECT	100MF	20%	6.3V
C614	1-126-103-11	ELECT	470MF	20%	16V
C615	1-124-122-11	ELECT	100MF	20%	50V
C616	1-124-484-11	ELECT	220MF	20%	35V
C619	1-102-963-00	CERAMIC	33PF	5%	50V
C620	1-102-963-00	CERAMIC	33PF	5%	50V
C621	1-123-875-11	ELECT	10MF	20%	50V
C622	1-124-180-00	ELECT	33MF	20%	25V
C623A	1-124-120-11	ELECT	220MF	20%	25V
C623B	1-124-446-11	ELECT	47MF	20%	10V
C701	1-162-291-31	CERAMIC	560PF	10%	50V
C702	1-162-282-31	CERAMIC	100PF	10%	50V
C703	1-130-487-00	MYLAR	0.022MF	5%	50V
C704	1-124-927-11	ELECT	4.7MF	20%	50V
C705	1-124-446-11	ELECT	47MF	20%	10V
C706	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C708	1-101-005-00	CERAMIC	0.022MF	5%	50V
C709	1-136-175-00	FILM	0.68MF	5%	50V
C710	1-124-927-11	ELECT	4.7MF	20%	50V
C712	1-136-274-11	FILM	82PF	5%	630V
C714	1-162-291-31	CERAMIC	560PF	10%	50V
C715	1-162-282-31	CERAMIC	100PF	10%	50V
C716	1-130-487-00	MYLAR	0.022MF	5%	50V
C717	1-124-927-11	ELECT	4.7MF	20%	50V
C718	1-124-446-11	ELECT	47MF	20%	10V
C720	1-124-927-11	ELECT	4.7MF	20%	50V
C721	1-162-284-31	CERAMIC	150PF	10%	50V
C722	1-124-902-00	ELECT	0.47MF	20%	50V
C723	1-123-875-11	ELECT	10MF	20%	50V
C725	1-124-446-11	ELECT	47MF	20%	10V
C751	1-162-291-31	CERAMIC	560PF	10%	50V
C752	1-162-282-31	CERAMIC	100PF	10%	50V
C753	1-130-487-00	MYLAR	0.022MF	5%	50V
C754	1-124-927-11	ELECT	4.7MF	20%	50V
C755	1-124-446-11	ELECT	47MF	20%	10V
C756	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C758	1-162-286-31	CERAMIC	220PF	10%	50V
C759	1-136-175-00	FILM	0.68MF	5%	50V
C760	1-124-927-11	ELECT	4.7MF	20%	50V
C762	1-136-274-11	FILM	82PF	5%	630V
C764	1-162-291-31	CERAMIC	560PF	10%	50V
C765	1-162-282-31	CERAMIC	100PF	10%	50V
C766	1-130-487-00	MYLAR	0.022MF	5%	50V
C767	1-124-927-11	ELECT	4.7MF	20%	50V
C768	1-124-446-11	ELECT	47MF	20%	10V
C770	1-124-927-11	ELECT	4.7MF	20%	50V
C771	1-162-284-31	CERAMIC	150PF	10%	50V
C772	1-124-902-00	ELECT	0.47MF	20%	50V
C801	1-130-499-00	MYLAR	0.22MF	5%	50V

Ref.No.	Part No.	Description			
C802	1-124-927-11	ELECT	4.7MF	20%	50V
C803	1-124-927-11	ELECT	4.7MF	20%	50V
C804	1-124-446-11	ELECT	47MF	20%	10V
C805	1-162-219-31	CERAMIC	68PF	5%	50V
C806	1-136-601-11	FILM	0.01MF	5%	630V
C807	1-124-902-00	ELECT	0.47MF	20%	50V
C808	1-130-477-00	MYLAR	0.0033MF	5%	50V
C809	1-130-483-00	MYLAR	0.01MF	5%	50V
C810	1-124-463-00	ELECT	0.1MF	20%	50V
C811	1-162-294-31	CERAMIC	0.001MF	10%	50V
C812	1-123-875-11	ELECT	10MF	20%	50V
C813	1-123-875-11	ELECT	10MF	20%	50V
C814	1-161-494-00	CERAMIC	0.022MF		25V
C815	1-124-927-11	ELECT	4.7MF	20%	50V
C816	1-123-875-11	ELECT	10MF	20%	50V
C817	1-124-360-00	ELECT	1000MF	20%	16V
C851	1-130-499-00	MYLAR	0.22MF	5%	50V
C852	1-124-927-11	ELECT	4.7MF	20%	50V
C853	1-124-927-11	ELECT	4.7MF	20%	50V
C854	1-124-446-11	ELECT	47MF	20%	10V
C855	1-162-219-31	CERAMIC	68PF	5%	50V
C861	1-162-294-31	CERAMIC	0.001MF	10%	50V
C901	1-161-744-00	CERAMIC	0.01MF		400V
C903	1-161-494-00	CERAMIC	0.022MF		25V
C904	1-161-494-00	CERAMIC	0.022MF		25V
C905	1-161-494-00	CERAMIC	0.022MF		25V
C906	1-162-282-31	CERAMIC	100PF	5%	50V
C911	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C912	1-161-377-00	CERAMIC	0.0047MF	30%	16V
C913	1-162-289-31	CERAMIC	390PF	10%	50V
C914	1-161-494-00	CERAMIC	0.022MF		25V
C917	1-161-494-00	CERAMIC	0.022MF		25V
C918	1-161-494-00	CERAMIC	0.022MF		25V

CF101	1-567-389-11	FILTER, CERAMIC
CF102	1-567-389-11	FILTER, CERAMIC
CF103	1-567-389-11	FILTER, CERAMIC
CF104	1-577-075-11	OSCILLATOR, CERAMIC (19kHz)
CF301	1-577-029-11	VIBRATOR, CERAMIC (4.2MHz)
CF601	1-567-738-11	VIBRATOR, CERAMIC (4MHz)
CJ11	*1-566-452-11	HOUSING, CONNECTOR 7P
CJ13	1-507-807-00	JACK, PIN 2P (CD)
CJ14	*1-566-451-11	HOUSING, CONNECTOR 3P
CJ15	*1-566-167-11	HOUSING, CONNECTOR 5P
CNJ1	*1-564-509-11	PLUG, CONNECTOR 6P
CNJ2	*1-564-511-11	PLUG, CONNECTOR 8P
CNJ3	*1-564-505-11	PLUG, CONNECTOR 2P
CNJ5	*1-564-508-11	PLUG, CONNECTOR 5P
CNJ6	*1-564-506-11	PLUG, CONNECTOR 3P
CNJ7	*1-566-925-11	SOCKET, CONNECTOR 8P
CNJ8	*1-566-925-11	SOCKET, CONNECTOR 8P
CNJ9	*1-566-925-11	SOCKET, CONNECTOR 8P
CNJ101	*1-506-708-11	PLUG, CONNECTOR (2.5MM) 5P
CNJ403	1-566-836-11	JACK, LARGE TYPE 1P (HEADPHONES)
CNJ501	*1-566-923-11	PLUG, CONNECTOR 8P
CNJ502	*1-566-923-11	PLUG, CONNECTOR 8P

Ref.No.	Part No.	Description
CNJ503*	1-566-923-11	PLUG, CONNECTOR 8P
CNJ504*	1-565-177-11	SOCKET, CONNECTOR 5P
CNJ505*	1-560-070-00	BASE POST 5P
CNJ506*	1-566-825-11	HOUSING, CONNECTOR 6P
CNP101*	1-566-451-11	HOUSING, CONNECTOR 3P
CNP201*	1-566-168-11	HOUSING, CONNECTOR 8P
CNP202*	1-566-168-11	HOUSING, CONNECTOR 8P
CNP251*	1-566-452-11	HOUSING, CONNECTOR 7P
CNP301*	1-566-168-11	HOUSING, CONNECTOR 8P
CNP302*	1-566-168-11	HOUSING, CONNECTOR 8P
CP201	1-233-125-11	COMPOSITION CIRCUIT BLOCK
CP301	1-233-140-11	COMPOSITION CIRCUIT BLOCK
CP302	1-233-140-11	COMPOSITION CIRCUIT BLOCK
CP303	1-233-151-11	COMPOSITION CIRCUIT BLOCK
CP305	1-233-150-11	COMPOSITION CIRCUIT BLOCK
CP306	1-233-150-11	COMPOSITION CIRCUIT BLOCK
CP307	1-233-150-11	COMPOSITION CIRCUIT BLOCK
D102	1-806-937-11	DIODE GMA01
D251	8-719-200-02	DIODE 10E2
D252	8-719-200-02	DIODE 10E2
D253	8-719-200-02	DIODE 10E2
D254	8-719-200-02	DIODE 10E2
D301	1-806-937-11	DIODE GMA01
D302	1-806-937-11	DIODE GMA01
D303	1-806-937-11	DIODE GMA01
D351	1-806-937-11	DIODE GMA01
D352	1-806-937-11	DIODE GMA01
D353	1-806-937-11	DIODE GMA01
D354	1-806-937-11	DIODE GMA01
D355	1-806-937-11	DIODE GMA01
D356	1-806-937-11	DIODE GMA01
D357	1-806-937-11	DIODE GMA01
D358	1-806-937-11	DIODE GMA01
D359	1-806-937-11	DIODE GMA01
D360	1-806-937-11	DIODE GMA01
D361	1-806-937-11	DIODE GMA01
D363	1-806-937-11	DIODE GMA01
D364	1-806-937-11	DIODE GMA01
D365	1-806-937-11	DIODE GMA01
D401	8-719-950-46	DIODE SLR-54MC70F165
D402	8-719-950-46	DIODE SLR-54MC70F165
D403	8-719-950-46	DIODE SLR-54MC70F165
D404	8-719-950-46	DIODE SLR-54MC70F165
D405	1-806-937-11	DIODE GMA01
D406	1-806-937-11	DIODE GMA01
D506	1-806-937-11	DIODE GMA01
D601	8-719-302-36	DIODE RBV-402-01
D602	8-719-200-02	DIODE 10E2
D607	8-719-109-88	DIODE RD5.6ES-B1
D609	8-719-109-84	DIODE RD5.1ES-B1
D610	8-719-200-02	DIODE 10E2
D611	8-719-110-72	DIODE RD30ES-B2
D612	8-719-110-35	DIODE RD13ES-B1
D613	8-719-109-92	DIODE RD6.2ES-B1
D616	8-719-109-71	DIODE RD3.9ES-B1
D801	1-806-937-11	DIODE GMA01
D802	1-806-937-11	DIODE GMA01
D803	1-806-937-11	DIODE GMA01
D804	1-806-937-11	DIODE GMA01

Ref.No.	Part No.	Description
D805	1-806-937-11	DIODE GMA01
D806	1-806-937-11	DIODE GMA01
D807	1-806-937-11	DIODE GMA01
D808	1-806-937-11	DIODE GMA01
D809	1-806-937-11	DIODE GMA01
D810	1-806-937-11	DIODE GMA01
D811	8-719-110-21	DIODE RD11ES-B1
D812	1-806-937-11	DIODE GMA01
D813	8-719-950-47	DIODE SLR-54VC70F165
F1	⚠1-576-006-11	FUSE (0.8A)
F501	⚠1-576-008-11	FUSE (2.0A)
F551	⚠1-576-008-11	FUSE (2.0A)
FE101	1-465-054-11	FRONT END (FM 4 GANG)
FE181	1-235-936-11	ENCAPSULATED COMPONENT
FE182	1-236-178-11	RF BLOCK, LW
FL301	1-519-453-11	INDICATOR TUBE, FLUORESCENT
HE301	1-543-261-11	(DECK B)...HEAD, ERASE (886-61-24)
HP301	1-543-424-11	(DECK A)...HEAD, MAGNETIC (PB)
HRP301	1-543-424-11	(DECK B)...HEAD, MAGNETIC (REC/PB)
IC101	8-759-805-50	IC CXA1269S
IC201	8-759-820-91	IC LC7218
IC251	8-759-820-09	IC LA5667
IC301	8-759-230-49	IC TMP47C441AN-1662
IC401	8-759-600-02	IC M5218L
IC402	8-759-802-52	IC LC7818
IC403	8-759-600-02	IC M5218L
IC404	8-759-602-04	IC M5226P
IC405	8-759-602-04	IC M5226P
IC501	⚠8-749-900-95	IC STK-4132-2
IC601	8-759-800-07	IC LC6527CK-3467
IC602	8-749-920-03	IC GP1U52
IC701	8-759-112-93	IC UPC4570HA-1
IC702	8-759-112-93	IC UPC4570HA-1
IC703	8-759-800-03	IC LC4066B
IC704	8-752-031-67	IC CXA1100P
IC801	8-752-032-60	IC CXA1198P
IC802	8-759-240-52	IC TC4052BP
IC803	8-759-240-11	IC TC4011BP
IC804	8-759-240-30	IC TC4030BP
IC805	8-759-240-73	IC TC4073BP
L101	1-410-564-41	INDUCTOR 100UH
L102	1-410-564-41	INDUCTOR 100UH
L103	1-408-920-00	INDUCTOR 4.7MMH
L105	1-410-397-21	FERRITE BEAD INDUCTOR
L106	1-410-397-21	FERRITE BEAD INDUCTOR
L181	1-410-568-21	INDUCTOR 220UH
L301	1-410-564-11	INDUCTOR 100UH
L302	1-410-564-11	INDUCTOR 100UH
L303	1-410-564-11	INDUCTOR 100UH
L304	1-410-564-11	INDUCTOR 100UH
L501	1-410-397-21	FERRITE BEAD INDUCTOR
L502	1-410-397-21	FERRITE BEAD INDUCTOR
L503	1-410-397-21	FERRITE BEAD INDUCTOR
L551	1-410-397-21	FERRITE BEAD INDUCTOR
L552	1-410-397-21	FERRITE BEAD INDUCTOR

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description
L553	1-410-397-21	FERRITE BEAD INDUCTOR
L701	1-408-929-00	INDUCTOR 27MMH
L751	1-408-929-00	INDUCTOR 27MMH
LP701	1-236-087-11	FILTER, LOW PASS
LP751	1-236-087-11	FILTER, LOW PASS
LPF251	1-235-164-00	FILTER, LOW PASS
LPF252	1-235-164-00	FILTER, LOW PASS
M3	4-895-034-01	MOTOR ASSY (PLAYER)
M501	X-3390-801-1	(DECK A)...MOTOR ASSY
M502	X-3390-801-1	(DECK B)...MOTOR ASSY
PT901	⚠1-449-174-21	TRANSFORMER, POWER
Q101	8-729-266-93	TRANSISTOR 2SC2669
Q102	8-729-266-93	TRANSISTOR 2SC2669
Q103	8-729-266-93	TRANSISTOR 2SC2669
Q104	8-729-266-93	TRANSISTOR 2SC2669
Q105	8-729-820-23	TRANSISTOR 2SC3330S
Q106	8-729-820-23	TRANSISTOR 2SC3330S
Q107	8-729-820-10	TRANSISTOR 2SA1317
Q108	9-986-159-01	TRANSISTOR 2SA1348
Q109	8-729-806-28	TRANSISTOR 2SC3402
Q110	8-729-806-28	TRANSISTOR 2SC3402
Q111	8-729-820-23	TRANSISTOR 2SC3330S
Q112	8-729-820-23	TRANSISTOR 2SC3330S
Q181	8-729-806-28	TRANSISTOR 2SC3402
Q182	8-729-820-10	TRANSISTOR 2SA1317
Q183	8-729-820-23	TRANSISTOR 2SC3330S
Q184	8-729-806-38	TRANSISTOR 2SC3399
Q185	8-729-806-28	TRANSISTOR 2SC3402
Q186	8-729-806-38	TRANSISTOR 2SC3399
Q201	8-729-820-12	TRANSISTOR 2SK772
Q202	8-729-820-13	TRANSISTOR 2SC3820
Q203	8-729-820-12	TRANSISTOR 2SK772
Q204	8-729-820-13	TRANSISTOR 2SC3820
Q251	8-729-820-10	TRANSISTOR 2SA1317
Q301	8-729-806-34	TRANSISTOR 2SC3400
Q401	8-729-107-99	TRANSISTOR 2SC3622A-K
Q402	8-729-806-34	TRANSISTOR 2SC3400
Q403	8-729-178-54	TRANSISTOR 2SC2785
Q404	8-729-117-54	TRANSISTOR 2SA1175
Q451	8-729-107-99	TRANSISTOR 2SC3622A-K
Q601	8-729-804-17	TRANSISTOR 2SD1666
Q602	8-729-178-54	TRANSISTOR 2SC2785
Q603	8-729-804-67	TRANSISTOR 2SB1133
Q604	8-729-117-54	TRANSISTOR 2SA1175
Q605	8-729-804-17	TRANSISTOR 2SD1666
Q606	8-729-804-67	TRANSISTOR 2SB1133
Q608	8-729-806-34	TRANSISTOR 2SC3400
Q609	8-729-178-54	TRANSISTOR 2SC2785
Q611	8-729-806-28	TRANSISTOR 2SC3402
Q612	8-729-806-16	TRANSISTOR 2SA1346
Q613	8-729-801-83	TRANSISTOR 2SB1013
Q614	8-729-801-93	TRANSISTOR 2SD1387
Q615	8-729-178-54	TRANSISTOR 2SC2785
Q616	8-729-117-54	TRANSISTOR 2SA1175
Q701	8-729-806-38	TRANSISTOR 2SC3399
Q703	8-729-178-54	TRANSISTOR 2SC2785
Q751	8-729-806-38	TRANSISTOR 2SC3399

Ref.No.	Part No.	Description			
Q753	8-729-178-54	TRANSISTOR 2SC2785			
Q801	8-729-178-54	TRANSISTOR 2SC2785			
Q802	8-729-811-24	TRANSISTOR 2SD1012			
Q803	8-729-811-24	TRANSISTOR 2SD1012			
Q804	8-729-117-54	TRANSISTOR 2SA1175			
Q805	8-729-806-20	TRANSISTOR 2SA1345			
Q806	8-729-806-20	TRANSISTOR 2SA1345			
Q807	8-729-806-20	TRANSISTOR 2SA1345			
Q808	8-729-806-20	TRANSISTOR 2SA1345			
Q810	8-729-806-38	TRANSISTOR 2SC3399			
Q851	8-729-178-54	TRANSISTOR 2SC2785			
Q855	8-729-806-20	TRANSISTOR 2SA1345			
R101	⚠1-247-704-11	CARBON	220	5%	1/4W F
R103	1-249-406-11	CARBON	120	5%	1/4W
R105	1-249-432-11	CARBON	18K	5%	1/4W
R106	1-249-411-11	CARBON	330	5%	1/4W
R107	1-249-412-11	CARBON	390	5%	1/4W
R108	1-249-411-11	CARBON	330	5%	1/4W
R109	1-249-434-11	CARBON	27K	5%	1/4W
R110	1-249-432-11	CARBON	18K	5%	1/4W
R111	1-249-411-11	CARBON	330	5%	1/4W
R112	1-249-416-11	CARBON	820	5%	1/4W
R113	1-249-411-11	CARBON	330	5%	1/4W
R114	1-249-434-11	CARBON	27K	5%	1/4W
R115	⚠1-247-700-11	CARBON	100	5%	1/4W F
R116	1-249-432-11	CARBON	18K	5%	1/4W
R117	1-249-424-11	CARBON	3.9K	5%	1/4W
R119	1-215-438-00	CARBON	5.1K	5%	1/4W
R120	1-215-438-00	CARBON	5.1K	5%	1/4W
R121	1-215-438-00	CARBON	5.1K	5%	1/4W
R122	1-249-417-11	CARBON	1K	5%	1/4W
R123	1-249-437-11	CARBON	47K	5%	1/4W
R124	1-249-417-11	CARBON	1K	5%	1/4W
R125	1-249-426-11	CARBON	5.6K	5%	1/4W
R126	1-249-441-11	CARBON	100K	5%	1/4W
R127	1-249-423-11	CARBON	3.3K	5%	1/4W
R128	1-249-441-11	CARBON	100K	5%	1/4W
R129	1-249-423-11	CARBON	3.3K	5%	1/4W
R130	1-249-417-11	CARBON	1K	5%	1/4W
R131	1-249-417-11	CARBON	1K	5%	1/4W
R132	1-249-429-11	CARBON	10K	5%	1/4W
R133	1-249-429-11	CARBON	10K	5%	1/4W
R134	1-249-423-11	CARBON	3.3K	5%	1/4W
R135	1-249-437-11	CARBON	47K	5%	1/4W
R136	1-249-421-11	CARBON	2.2K	5%	1/4W
R137	1-249-417-11	CARBON	1K	5%	1/4W
R138	1-249-418-11	CARBON	1.2K	5%	1/4W
R139	1-249-410-11	CARBON	270	5%	1/4W
R140	1-249-437-11	CARBON	47K	5%	1/4W
R141	1-249-421-11	CARBON	2.2K	5%	1/4W
R142	1-249-417-11	CARBON	1K	5%	1/4W
R143	1-249-418-11	CARBON	1.2K	5%	1/4W
R144	1-249-410-11	CARBON	270	5%	1/4W
R145	⚠1-247-700-11	CARBON	100	5%	1/4W F
R146	1-249-435-11	CARBON	33K	5%	1/4W
R147	1-249-435-11	CARBON	33K	5%	1/4W
R148	1-249-439-11	CARBON	68K	5%	1/4W

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description				
R149	1-247-903-00	CARBON	470K	5%	1/4W	
R150	1-247-903-11	CARBON	1M	5%	1/4W	
R181	1-249-441-11	CARBON	100K	5%	1/4W	
R182	1-249-437-11	CARBON	47K	5%	1/4W	
R185	1-249-433-11	CARBON	22K	5%	1/4W	
R186	1-249-437-11	CARBON	47K	5%	1/4W	
R187	1-247-903-00	CARBON	1M	5%	1/4W	
R189	1-249-433-11	CARBON	22K	5%	1/4W	
R190	1-249-432-11	CARBON	18K	5%	1/4W	
R191	1-249-433-11	CARBON	22K	5%	1/4W	
R193	1-249-431-11	CARBON	15K	5%	1/4W	
R194	1-249-401-11	CARBON	47	5%	1/4W	
R201	1-249-417-11	CARBON	1K	5%	1/4W	
R202	1-249-417-11	CARBON	1K	5%	1/4W	
R203	1-249-417-11	CARBON	1K	5%	1/4W	
R204	1-249-417-11	CARBON	1K	5%	1/4W	
R205	1-249-425-11	CARBON	4.7K	5%	1/4W	
R207	⚠1-247-696-11	CARBON	47	5%	1/4W	F
R208	⚠1-247-700-11	CARBON	100	5%	1/4W	F
R209	1-249-425-11	CARBON	4.7K	5%	1/4W	
R210	1-249-410-11	CARBON	270	5%	1/4W	
R211	1-249-418-11	CARBON	1.2K	5%	1/4W	
R212	1-249-414-11	CARBON	560	5%	1/4W	
R213	1-249-433-11	CARBON	22K	5%	1/4W	
R214	1-249-421-11	CARBON	2.2K	5%	1/4W	
R215	1-249-425-11	CARBON	4.7K	5%	1/4W	
R216	1-249-405-11	CARBON	100	5%	1/4W	
R217	1-249-423-11	CARBON	3.3K	5%	1/4W	
R218	1-249-410-11	CARBON	270	5%	1/4W	
R219	1-249-418-11	CARBON	1.2K	5%	1/4W	
R220	1-249-414-11	CARBON	560	5%	1/4W	
R221	1-249-425-11	CARBON	4.7K	5%	1/4W	
R222	1-249-421-11	CARBON	2.2K	5%	1/4W	
R223	1-249-425-11	CARBON	4.7K	5%	1/4W	
R224	1-249-405-11	CARBON	100	5%	1/4W	
R225	1-249-429-11	CARBON	10K	5%	1/4W	
R226	1-249-429-11	CARBON	10K	5%	1/4W	
R227	1-249-429-11	CARBON	10K	5%	1/4W	
R228	1-249-429-11	CARBON	10K	5%	1/4W	
R229	1-249-422-11	CARBON	2.7K	5%	1/4W	
R230	1-249-439-11	CARBON	68K	5%	1/4W	
R251	1-249-429-11	CARBON	10K	5%	1/4W	
R252	1-249-405-11	CARBON	100	5%	1/4W	
R253	1-249-429-11	CARBON	10K	5%	1/4W	
R254	1-249-413-11	CARBON	470	5%	1/4W	
R256	1-249-429-11	CARBON	10K	5%	1/4W	
R257	1-249-441-11	CARBON	100K	5%	1/4W	
R258	1-249-393-11	CARBON	10	5%	1/4W	
R260	1-249-435-11	CARBON	33K	5%	1/4W	
R261	1-249-439-11	CARBON	68K	5%	1/4W	
R262	1-249-435-11	CARBON	33K	5%	1/4W	
R263	1-249-439-11	CARBON	68K	5%	1/4W	
R299	1-249-424-11	CARBON	3.9K	5%	1/4W	
R301	1-249-429-11	CARBON	10K	5%	1/4W	
R302	1-249-441-11	CARBON	100K	5%	1/4W	
R303	1-249-425-11	CARBON	4.7K	5%	1/4W	
R304	1-249-429-11	CARBON	10K	5%	1/4W	

Ref.No.	Part No.	Description			
R305	1-249-429-11	CARBON	10K	5%	1/4W
R306	1-249-441-11	CARBON	100K	5%	1/4W
R307	1-249-405-11	CARBON	100	5%	1/4W
R308	1-249-429-11	CARBON	10K	5%	1/4W
R309	1-249-417-11	CARBON	1K	5%	1/4W
R310	1-249-429-11	CARBON	10K	5%	1/4W
R401	1-249-415-11	CARBON	680	5%	1/4W
R403	1-249-441-11	CARBON	100K	5%	1/4W
R404	1-249-416-11	CARBON	820	5%	1/4W
R405	1-215-487-00	CARBON	560K	5%	1/4W
R406	1-249-437-11	CARBON	47K	5%	1/4W
R407	1-249-423-11	CARBON	3.3K	5%	1/4W
R408	1-249-430-11	CARBON	12K	5%	1/4W
R410	1-249-433-11	CARBON	22K	5%	1/4W
R412	1-249-426-11	CARBON	5.6K	5%	1/4W
R413	1-247-903-00	CARBON	1M	5%	1/4W
R414	1-249-417-11	CARBON	1K	5%	1/4W
R417	1-249-421-11	CARBON	2.2K	5%	1/4W
R418	1-247-887-00	CARBON	220K	5%	1/4W
R419	1-249-417-11	CARBON	1K	5%	1/4W
R420	1-249-424-11	CARBON	3.9K	5%	1/4W
R421	1-249-427-11	CARBON	6.8K	5%	1/4W
R422	1-249-425-11	CARBON	4.7K	5%	1/4W
R423	1-249-421-11	CARBON	2.2K	5%	1/4W
R429	1-249-415-11	CARBON	680	5%	1/4W
R432	1-249-433-11	CARBON	22K	5%	1/4W
R433	1-249-441-11	CARBON	100K	5%	1/4W
R434	1-249-441-11	CARBON	100K	5%	1/4W
R435	1-249-437-11	CARBON	47K	5%	1/4W
R436	1-249-441-11	CARBON	100K	5%	1/4W
R438	1-215-491-00	CARBON	820K	5%	1/4W
R439	1-249-433-11	CARBON	22K	5%	1/4W
R440	1-249-433-11	CARBON	22K	5%	1/4W
R441	1-249-433-11	CARBON	22K	5%	1/4W
R442	1-249-433-11	CARBON	22K	5%	1/4W
R443	1-249-410-11	CARBON	270	5%	1/4W
R444	1-249-410-11	CARBON	270	5%	1/4W
R445	1-249-410-11	CARBON	270	5%	1/4W
R446	1-249-410-11	CARBON	270	5%	1/4W
R447	1-249-433-11	CARBON	22K	5%	1/4W
R451	1-249-415-11	CARBON	680	5%	1/4W
R453	1-249-441-11	CARBON	100K	5%	1/4W
R454	1-249-416-11	CARBON	820	5%	1/4W
R455	1-215-487-00	CARBON	560K	5%	1/4W
R456	1-249-437-11	CARBON	47K	5%	1/4W
R457	1-249-423-11	CARBON	3.3K	5%	1/4W
R458	1-249-430-11	CARBON	12K	5%	1/4W
R460	1-249-433-11	CARBON	22K	5%	1/4W
R462	1-249-426-11	CARBON	5.6K	5%	1/4W
R463	1-247-903-00	CARBON	1M	5%	1/4W
R464	1-249-417-11	CARBON	1K	5%	1/4W
R467	1-249-421-11	CARBON	2.2K	5%	1/4W
R468	1-247-887-00	CARBON	220K	5%	1/4W
R469	1-249-417-11	CARBON	1K	5%	1/4W
R470	1-249-424-11	CARBON	3.9K	5%	1/4W
R471	1-249-427-11	CARBON	6.8K	5%	1/4W
R472	1-249-425-11	CARBON	4.7K	5%	1/4W

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Ref.No.	Part No.	Description				
R473	1-249-421-11	CARBON	2.2K	5%	1/4W	
R479	1-249-415-11	CARBON	680	5%	1/4W	
R482	1-249-433-11	CARBON	22K	5%	1/4W	
R501	1-249-417-11	CARBON	1K	5%	1/4W	
R502	1-249-438-11	CARBON	56K	5%	1/4W	
R503	1-249-414-11	CARBON	560	5%	1/4W	
R504	1-249-438-11	CARBON	56K	5%	1/4W	
R505	⚠1-212-881-11	FUSIBLE	100	5%	1/4W	F
R506	1-215-422-00	CARBON	1.1K	5%	1/4W	
R507	1-215-422-00	CARBON	1.1K	5%	1/4W	
R508	1-249-389-11	CARBON	4.7	5%	1/4W	
R514	1-249-442-11	CARBON	510	5%	1/4W	
R515	1-249-442-11	CARBON	510	5%	1/4W	
R523	1-249-429-11	CARBON	10K	5%	1/4W	
R524	1-247-883-00	CARBON	150K	5%	1/4W	
R525	1-249-439-11	CARBON	68K	5%	1/4W	
R526	1-249-433-11	CARBON	22K	5%	1/4W	
R529	1-249-430-11	CARBON	12K	5%	1/4W	
R535	1-249-415-11	CARBON	680	5%	1/4W	
R544	⚠1-212-950-00	FUSIBLE	4.7	5%	1/2W	F
R545	1-249-389-11	CARBON	4.7	5%	1/4W	
R546	1-249-442-11	CARBON	510	5%	1/4W	
R547	1-249-442-11	CARBON	510	5%	1/4W	
R548	1-215-422-00	CARBON	1.1K	5%	1/4W	
R549	1-215-422-00	CARBON	1.1K	5%	1/4W	
R551	1-249-417-11	CARBON	1K	5%	1/4W	
R552	1-249-438-11	CARBON	56K	5%	1/4W	
R553	1-249-414-11	CARBON	560	5%	1/4W	
R554	1-249-438-11	CARBON	56K	5%	1/4W	
R555	⚠1-212-881-11	FUSIBLE	100	5%	1/4W	F
R556	1-215-422-00	CARBON	1.1K	5%	1/4W	
R557	1-215-422-00	CARBON	1.1K	5%	1/4W	
R558	1-249-389-11	CARBON	4.7	5%	1/4W	
R585	1-249-415-11	CARBON	680	5%	1/4W	
R594	⚠1-212-950-00	FUSIBLE	4.7	5%	1/2W	F
R595	1-249-389-11	CARBON	4.7	5%	1/4W	
R598	1-215-422-00	CARBON	1.1K	5%	1/4W	
R599	1-215-422-00	CARBON	1.1K	5%	1/4W	
R601	1-249-421-11	CARBON	2.2K	5%	1/4W	
R602	1-249-421-11	CARBON	2.2K	5%	1/4W	
R603	1-249-421-11	CARBON	2.2K	5%	1/4W	
R604	1-249-408-11	CARBON	180	5%	1/4W	
R605	1-249-417-11	CARBON	1K	5%	1/4W	
R606	1-249-421-11	CARBON	2.2K	5%	1/4W	
R612	⚠1-212-934-00	FUSIBLE	1	5%	1/2W	F
R616	1-249-421-11	CARBON	2.2K	5%	1/4W	
R617	1-249-421-11	CARBON	2.2K	5%	1/4W	
R618	1-249-409-11	CARBON	220	5%	1/4W	
R619	1-249-418-11	CARBON	1.2K	5%	1/4W	
R620	1-249-421-11	CARBON	2.2K	5%	1/4W	
R621	1-249-417-11	CARBON	1K	5%	1/4W	
R622	1-249-418-11	CARBON	1.2K	5%	1/4W	
R624	1-249-417-11	CARBON	1K	5%	1/4W	
R625	1-249-441-11	CARBON	100K	5%	1/4W	
R626	1-249-429-11	CARBON	10K	5%	1/4W	
R627	1-249-429-11	CARBON	10K	5%	1/4W	
R628	1-249-433-11	CARBON	22K	5%	1/4W	

Ref.No.	Part No.	Description				
R629	1-249-424-11	CARBON	3.9K	5%	1/4W	
R630	1-249-429-11	CARBON	10K	5%	1/4W	
R631	1-249-433-11	CARBON	22K	5%	1/4W	
R632	⚠1-212-851-61	FUSIBLE	5.6	5%	1/4W	F
R633	⚠1-212-849-00	FUSIBLE	4.7	5%	1/4W	F
R634	1-249-392-11	CARBON	8.2	5%	1/4W	
R635	1-249-392-11	CARBON	8.2	5%	1/4W	
R636	1-249-441-11	CARBON	100K	5%	1/4W	
R637	1-249-433-11	CARBON	22K	5%	1/4W	
R638	1-249-433-11	CARBON	22K	5%	1/4W	
R649	⚠1-217-469-00	FUSIBLE	1	5%	1W	F
R699	⚠1-217-469-00	FUSIBLE	1	5%	1W	F
R701	1-247-889-00	CARBON	270K	5%	1/4W	
R702	1-249-404-00	CARBON	82	5%	1/4W	
R703	1-215-472-00	CARBON	130K	5%	1/4W	
R704	1-249-426-11	CARBON	5.6K	5%	1/4W	
R705	1-249-423-11	CARBON	3.3K	5%	1/4W	
R706	1-249-430-11	CARBON	12K	5%	1/4W	
R707	1-249-431-11	CARBON	15K	5%	1/4W	
R708	1-247-887-00	CARBON	220K	5%	1/4W	
R711	1-215-440-00	CARBON	6.2K	5%	1/4W	
R712	1-249-429-11	CARBON	10K	5%	1/4W	
R713	1-249-431-11	CARBON	15K	5%	1/4W	
R714	1-215-460-00	METAL	43K	1%	1/6W	
R715	1-249-429-11	CARBON	10K	5%	1/4W	
R716	1-249-433-11	CARBON	22K	5%	1/4W	
R718	1-249-426-11	CARBON	5.6K	5%	1/4W	
R719	1-249-433-11	CARBON	22K	5%	1/4W	
R725	1-247-889-00	CARBON	270K	5%	1/4W	
R726	1-249-404-00	CARBON	82	5%	1/4W	
R727	1-215-472-00	CARBON	130K	5%	1/4W	
R728	1-249-426-11	CARBON	5.6K	5%	1/4W	
R730	1-247-826-00	CARBON	620	5%	1/4W	
R741	1-249-427-11	CARBON	6.8K	5%	1/4W	
R742	1-249-429-11	CARBON	10K	5%	1/4W	
R743	1-249-437-11	CARBON	47K	5%	1/4W	
R744	1-249-433-11	CARBON	22K	5%	1/4W	
R745	1-249-433-11	CARBON	22K	5%	1/4W	
R747	1-249-430-11	CARBON	12K	5%	1/4W	
R748	1-249-406-11	CARBON	120	5%	1/4W	
R751	1-247-889-00	CARBON	270K	5%	1/4W	
R752	1-249-404-00	CARBON	82	5%	1/4W	
R753	1-215-472-00	CARBON	130K	5%	1/4W	
R754	1-249-426-11	CARBON	5.6K	5%	1/4W	
R755	1-249-423-11	CARBON	3.3K	5%	1/4W	
R756	1-249-430-11	CARBON	12K	5%	1/4W	
R757	1-249-431-11	CARBON	15K	5%	1/4W	
R758	1-247-887-00	CARBON	220K	5%	1/4W	
R761	1-215-440-00	CARBON	6.2K	5%	1/4W	
R766	1-249-433-11	CARBON	22K	5%	1/4W	
R768	1-249-426-11	CARBON	5.6K	5%	1/4W	
R769	1-249-433-11	CARBON	22K	5%	1/4W	
R775	1-247-889-00	CARBON	270K	5%	1/4W	
R776	1-249-404-00	CARBON	82	5%	1/4W	
R777	1-215-472-00	CARBON	130K	5%	1/4W	
R778	1-249-426-11	CARBON	5.6K	5%	1/4W	
R780	1-247-826-00	CARBON	620	5%	1/4W	

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Ref.No.	Part No.	Description			
R797	1-249-430-11	CARBON	12K	5%	1/4W
R801	1-249-429-11	CARBON	10K	5%	1/4W
R802	1-249-428-11	CARBON	8.2K	5%	1/4W
R803	1-249-425-11	CARBON	4.7K	5%	1/4W
R804	1-215-454-00	CARBON	24K	5%	1/4W
R805	1-249-437-11	CARBON	47K	5%	1/4W
R806	1-247-878-00	CARBON	91K	5%	1/4W
R807	1-249-437-11	CARBON	47K	5%	1/4W
R808	1-247-878-00	CARBON	91K	5%	1/4W
R809	1-249-437-11	CARBON	47K	5%	1/4W
R810	1-247-881-00	CARBON	120K	5%	1/4W
R811	1-249-437-11	CARBON	47K	5%	1/4W
R812	1-215-472-00	CARBON	130K	5%	1/4W
R813	1-249-440-11	CARBON	82K	5%	1/4W
R814	1-215-466-00	CARBON	75K	5%	1/4W
R815	1-247-878-00	CARBON	91K	5%	1/4W
R816	1-249-437-11	CARBON	47K	5%	1/4W
R817	1-249-438-11	CARBON	56K	5%	1/4W
R818	1-249-439-11	CARBON	68K	5%	1/4W
R819	1-249-436-11	CARBON	39K	5%	1/4W
R820	1-249-435-11	CARBON	33K	5%	1/4W
R821	1-249-437-11	CARBON	47K	5%	1/4W
R822	1-215-460-00	CARBON	43K	5%	1/4W
R823	1-249-435-11	CARBON	33K	5%	1/4W
R824	1-249-435-11	CARBON	33K	5%	1/4W
R825	1-249-437-11	CARBON	47K	5%	1/4W
R826	1-215-466-00	CARBON	75K	5%	1/4W
R827	1-215-458-00	CARBON	36K	5%	1/4W
R828	1-249-437-11	CARBON	47K	5%	1/4W
R829	1-249-437-11	CARBON	47K	5%	1/4W
R830	1-249-437-11	CARBON	47K	5%	1/4W
R831	1-249-389-11	CARBON	4.7	5%	1/4W
R832	1-249-427-11	CARBON	6.8K	5%	1/4W
R833	1-249-399-11	CARBON	33	5%	1/4W
R834	1-249-429-11	CARBON	10K	5%	1/4W
R835	1-249-417-11	CARBON	1K	5%	1/4W
R836	1-215-442-00	CARBON	7.5K	5%	1/4W
R837	1-249-400-11	CARBON	39	5%	1/4W
R838	1-249-437-11	CARBON	47K	5%	1/4W
R839	1-249-437-11	CARBON	47K	5%	1/4W
R840	1-249-437-11	CARBON	47K	5%	1/4W
R841	1-249-420-11	CARBON	1.8K	5%	1/4W
R842	1-249-408-11	CARBON	180	5%	1/4W
R843	1-249-437-11	CARBON	47K	5%	1/4W
R844	1-249-425-11	CARBON	4.7K	5%	1/4W

Ref.No.	Part No.	Description			
R845	1-249-416-11	CARBON	820	5%	1/4W
R846	1-249-437-11	CARBON	47K	5%	1/4W
R847	1-249-429-11	CARBON	10K	5%	1/4W
R848	1-249-437-11	CARBON	47K	5%	1/4W
R849	1-247-887-00	CARBON	220K	5%	1/4W
R850	1-249-435-11	CARBON	33K	5%	1/4W
R851	1-249-429-11	CARBON	10K	5%	1/4W
R852	1-249-428-11	CARBON	8.2K	5%	1/4W
R853	1-249-425-11	CARBON	4.7K	5%	1/4W
R891	1-249-420-11	CARBON	1.8K	5%	1/4W
R892	1-249-408-11	CARBON	180	5%	1/4W
RT701	1-237-459-21	RES, ADJ, CARBON 10K			
RT702	1-237-459-21	RES, ADJ, CARBON 10K			
RT751	1-237-459-21	RES, ADJ, CARBON 10K			
RT752	1-237-459-21	RES, ADJ, CARBON 10K			
RT801	1-237-459-21	RES, ADJ, CARBON 10K			
RT802	1-237-462-21	RES, ADJ, CARBON 100K			
RT803	1-237-457-21	RES, ADJ, CARBON 2K			
RT804	1-237-456-21	RES, ADJ, CARBON 1K			
RT851	1-237-459-21	RES, ADJ, CARBON 10K			
RT852	1-237-462-21	RES, ADJ, CARBON 100K			
RT853	1-237-457-21	RES, ADJ, CARBON 2K			
RT854	1-237-456-21	RES, ADJ, CARBON 1K			
RV101	1-230-271-00	RES, ADJ, CARBON 4.7K			
RV102	1-230-631-11	RES, ADJ, CARBON 22K			
RV103	1-230-631-11	RES, ADJ, CARBON 22K			
RV401	1-237-986-11	RES, VAR, SLIDE 250K (100Hz)			
RV402	1-237-986-11	RES, VAR, SLIDE 250K (330Hz)			
RV403	1-237-986-11	RES, VAR, SLIDE 250K (1kHz)			
RV404	1-237-986-11	RES, VAR, SLIDE 250K (3.3kHz)			
RV405	1-237-986-11	RES, VAR, SLIDE 250K (10kHz)			
RV406	1-237-884-11	RES, VAR, CARBON 100K/100K (VOLUME)			
RV451	1-237-986-11	RES, VAR, SLIDE 250K (100Hz)			
RV452	1-237-986-11	RES, VAR, SLIDE 250K (330Hz)			
RV453	1-237-986-11	RES, VAR, SLIDE 250K (1kHz)			
RV454	1-237-986-11	RES, VAR, SLIDE 250K (3.3kHz)			
RV455	1-237-986-11	RES, VAR, SLIDE 250K (10kHz)			
RY701	1-515-614-11	RELAY			

Ref.No.	Part No.	Description
S101	1-570-715-11	(DECK B)...SWITCH, LEAF (MOTOR B+)
S102	1-570-716-11	(DECK B)...SWITCH, LEAF (FWD)
S103	1-571-260-11	(DECK B)...SWITCH, LEAF (REC)
S104	1-570-715-11	(DECK A)...SWITCH, LEAF (MOTOR B+)
S105	1-570-716-11	(DECK A)...SWITCH, LEAF (FWD)
S106	4-895-068-01	LIEF, SW (PLAYER MOTOR)
S301	1-554-303-21	SWITCH, KEY BOARD (1)
S302	1-554-303-21	SWITCH, KEY BOARD (2)
S303	1-554-303-21	SWITCH, KEY BOARD (3)
S304	1-554-303-21	SWITCH, KEY BOARD (4)
S305	1-554-303-21	SWITCH, KEY BOARD (5)
S306	1-554-303-21	SWITCH, KEY BOARD (6)
S307	1-554-303-21	SWITCH, KEY BOARD (7)
S308	1-554-303-21	SWITCH, KEY BOARD (8)
S309	1-554-303-21	SWITCH, KEY BOARD (9)
S310	1-554-303-21	SWITCH, KEY BOARD (10)
S311	1-554-303-21	SWITCH, KEY BOARD (11)
S312	1-554-303-21	SWITCH, KEY BOARD (12)
S313	1-554-303-21	SWITCH, KEY BOARD (+)
S314	1-554-303-21	SWITCH, KEY BOARD (-)
S315	1-554-303-21	SWITCH, KEY BOARD (MEMO)
S316	1-554-303-21	SWITCH, KEY BOARD (MS)
S317	1-554-303-21	SWITCH, KEY BOARD (MODE)
S318	1-554-303-21	SWITCH, KEY BOARD (BAND)
S401	1-554-303-21	SWITCH, KEY BOARD (TUNER)
S402	1-554-303-21	SWITCH, KEY BOARD (PHONO)
S403	1-554-303-21	SWITCH, KEY BOARD (CD)
S404	1-554-303-21	SWITCH, KEY BOARD (TAPE)
S701	1-571-112-11	SWITCH, PUSH (1 KEY)(DOLBY NR)
S801	1-571-112-11	SWITCH, PUSH (1 KEY)(TAPE SELECT)
S802	1-571-112-11	SWITCH, PUSH (1 KEY)(DUBBING SPEED)
S901	⚠1-553-318-31	SWITCH, PUSH (AC POWER)(1 KEY)
T251	1-404-788-11	TRANSFORMER, DISCRIMINATOR (FM)
T252	1-404-713-11	TRANSFORMER, IF
T254	1-235-126-00	ENCAPSULATED COMPONENT
T801	1-433-311-51	TRANSFORMER, BIAS OSCILLATION
TM101	1-537-138-31	TERMINAL BOARD (ANT)
TM501	1-536-708-41	TERMINAL BOARD, PUSH 4P (SPEAKER)
TP101	*1-560-060-00	PIN, CONNECTOR 2P
TP701	*1-564-505-21	PIN, CONNECTOR 2P
TP702	*1-564-506-11	PIN, CONNECTOR 3P
XT201	1-567-767-11	VIBRATOR, CRYSTAL (7.2MHz)

ACCESSORY & PACKING MATERIAL

1-465-001-11	REMOTE COMMANDER (RM-L310)
1-501-349-11	ANTENNA, LOOP
1-501-369-11	(Italian)...ANTENNA
3-769-904-71	MANUAL, INSTRUCTION
4-921-934-01	SHEET, PROTECTION
4-922-417-01	LID, BATTERY CASE (for RM-L310)
4-924-064-01	INDIVIDUAL CARTON
*4-924-058-01	CUSHION (UPPER)
*4-924-059-01	CUSHION (LOWER)
*4-924-067-01	PROTECTOR

Note: The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.